

Product datasheet

Recombinant human EZH1 + EED + SUZ12 + RBBP4 + AEBP2 protein (Active) ab196413

[2 Images](#)

Description

Product name	Recombinant human EZH1 + EED + SUZ12 + RBBP4 + AEBP2 protein (Active)	
Biological activity	50 µl reaction mix (20 mM phosphate pH 7.4, 0.05% Tween-20, 40 µM S-adenosylmethionine, and ab196413 were added to the wells coated with the substrate on a Neutravidin white plate. Incubated for 1 hr. Added antibody against methylated K27 residue of histone H3, incubated 1 hr. Then, added secondary HRP-labeled antibody and incubated 30 min. Finally, added HRP chemiluminescent substrates and read luminescence.	
Purity	>= 79 % SDS-PAGE. Affinity purified.	
Expression system	Baculovirus infected Sf9 cells	
Accession	<u>Q92800</u> <u>O75530</u> <u>Q15022</u> <u>Q6ZN18-2</u> <u>Q09028</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Amino Acid Sequence 1		
Species	Human	
Sequence	EIPNPPTSKCITYWKRKVKSEYMRLRQLKRLQANMGAKAL YVANFAKVQE KTQILNEEWKCLRVPVQSMKPVSGHPFLKKCTIESIFPG FASQHMLMRS LNTVALVPIMYSWSPLQQNFMVEDETVLCNIPYMGDEVKE EDETFFIELI NNYDGKVHGEEEMIPGSVLISDAVFLELVDALNQYSDEEE EGHNDTSDGK QDDSKEDLPVTRKRKRHAIEGNKSSKKQFPNDMIFSAIA SMFPENGVPD DMKERYRELTEMSDPNALPPQCTPNIDGPNAKSVQREQS LHSFHTLFCRR CFKYDCFLHPFHATPNVYKRKNKEIKIEPEPCGTDCFLLE	

GAKEYAMLH
 NPRSKCSGRRRRRHIVSASCNSASASAVAETKEGDSR
 DTGNDWASSSS
 EANSRCQPTKQKASPAPPQLCVVEAPSEPVEWTGAEE
 SLFRVFHGTYFN
 NFCSIARLLGKTCKQVFQFAVKESLILKLPTDELMNPSQK
 KKRKHRLWA
 AHCRKIQLKKDNSSTQVYNYQPCDHPDRPCDSTCPCIMT
 QNFCEKFCQCN
 PDCQNRFPGCRCKTQCNTKQCPCYLAVRECDPDLCLTC
 GASEHWDCKVVS
 CKNCIQRGLKKHLLLAPSDVAGWGTFIKESVQKNEFISEY
 CGELISQDE
 ADRRGKVYDKYMSSFLFNLNDFVVDATRKGKIRFANH
 SVNPNCYAKVV
 MVNGDHRIGIFAKRAIQAGEELFFDYRYSQADALKYVGIER
 ETDVL

Molecular weight information 86 kDa by SDS-PAGE
Amino acids 2 to 747
Tags His tag N-Terminus
Additional sequence information EZH1; NM_001991.

Amino Acid Sequence 2

Species Human

Sequence

SEREVSTAPAGTDMPPAAKKQKLSSDENSNPDLSGDEND
 DAVSIESGTNTE
 RPDTPNTNPNAPGRKSWGKGKWKSKKCKYSFKCVNSLK
 EDHNQPLFGVQF
 NWHSKEGDPLVFATVGSNRVTLYECHSQGEIRLLQSYVD
 ADADENFYTCA
 WTYDSNTSHPLLAVAGSRGIIRINPITMQCIKHVYGHGNAIN
 ELKFHPR
 DPNLLLSVSKDHALRLWNIQDTLVAIFGGVEGHRDEVLS
 ADYDLLGEKI
 MSCGMDHSLKLWRINSKRMMNAIKESYDYNPNKTNRPFIS
 QKIHFPDFST
 RDIHRNYVDCVRWLGLILSKSCENAIVCWKPGKMEDDID
 KIKPSESNT
 ILGRFDYSQCDWYMRFSMDFWQKMLALGNQVVGKLYWVD
 LEVEDPHKAKC
 TTLTHHKCGAAIRQTSFSRDSSILIAVCDDASWRWDRLR

Molecular weight information 51 kDa by SDS-PAGE
Amino acids 2 to 441
Tags DDDDK tag N-Terminus
Additional sequence information EED: NM_003797.

Amino Acid Sequence 3

Species Human

Sequence

APQKHGGGGGGSGPSAGSGGGGFGGSAAVAAATASG

GKSGGGSCGGGGS
 YSASSSSSAAAAAGAAVLPVKKPKMEHVQADHELFLQAF
 EKPTQYRFLR
 TRNLIPIFLHRTLTYMSHRNSRTNIKRKTFKVVDDMLSKVEK
 MKGEQESH
 SLSAHLQLTFTGFFHKNDKPSNSENEQNSVTLEVLLVKV
 CHKKRKDVSC
 PIRQVPTGKKQVPLNPDNLNQTKPGNFPSLAVSSNEFEP
 NSHMVKSYSLL
 FRVTRPGRREFNGMINGETNENIDVNEELPARRKRNR
 REDG
 EKTFVAQMTV
 FDKNRRLQLLDGEYEVAMQEMEECPISKKRATWETILDGK
 RLPPFETF
 SQ
 GPTLQFTLRWTGETNDKSTAPIAKPLATRNSSESLHQENK
 P
 GSVKPTQTIA
 VKESLTTDLQTRKEKDPNENRQKLRIFYQFLYNNNTRQQT
 EARDDLHCP
 WCTLNCRKLYSLLKHLKLCHSRFIFNYVYHPKGARIDVSINE
 CYDGSYAG
 NPQDIHRQPGFAFSRNGPVKRTPIHILVCRPKRTKASMSE
 FLESEDGEV
 EQQRTYSSGHNRLYFHSDTCLPLRPQEMEVDSEDEKDPE
 WLREKTITQIE
 EFSDVNEGEKEVMKLNHLHVMKHGFIADNQMNHACMLF
 VENYGQKIIKKN
 LCRNFMLHLVSMHDFNLISIMSIDKAVTKLREMQQKLEKGE
 SASPANEEI
 TEEQNGTANGFSEINSKEKALETDSVSGVSKQSKKQKL

Molecular weight information 87 kDa by SDS-PAGE
Amino acids 2 to 739
Tags His tag N-Terminus
Additional sequence information SUZ12: NM_015355.

Amino Acid Sequence 4

Species Human

Sequence

AAAITDMADLEELSRLSPLPPGSPGSAARGRAEPPEEEEE
 EEEEEEEEA
 EAVAALLLNGGSGGGGGGGGGVGGGEAETMSEPSPE
 SASQAGEDEDEEE
 DDEEEDESSSSGGGEEESSAESLVGSSGGSSSDETR
 LSPGAASSSSGD
 GDGKEGLEEPKGRGSQGGGGGGSSSSSVSSGGDEG
 YGTGGGGSSATSG
 GRRGSLEMSSDGEPLSRMSEDSISSTIMDVSTISSGRS
 TPAMMNGQGS
 TTSSSKNIAYNCCWDQCQACFNSSPDLADHIRSIHVDGQR
 GGVFVCLWKG
 CKVYNTPSTSQSWLQRHMLTHSGDKPFKCVVGGCNASF
 ASQGGLARHVPT
 HFSQQNSSKVVSSQPKAKEESPSKAGMNRKRRLKNKRRR

SLPRPHDFFDAQ
TLDAIRHRAICFNLSAHIESLGKGHSVVFHSTVIKRKEDSG
KIKLLLHW
MPEDILPDVWVNESERHQLKTKVVHLSKLPKDTALLLDPN
YRTMPQKRL KR

Molecular weight information 53 kDa by SDS-PAGE
Amino acids 2 to 503
Tags His tag N-Terminus
Additional sequence information AEBP2: NM_153207.

Amino Acid Sequence 5

Species Human

Sequence

ADKEAAFDDAVEERVINEEYKIWKNTPFYDLVMTHALE
WPSLTAQWLP
DVTRPEGKDFSIIHRLVLGHTSDEQNHLVIASVQLPNDDA
QFDASHYDSE
KGEFGGFGSVSGKIEIEIKINHEGEVNRARYMPQNPCIATK
TPSSDVLV
FDYTKHPSKPDPSGECNPDRLRLRGHQKEGYGLSWNPNL
SGHLLSASDDHT
ICLWDISAVPKEGKVVDAAKTIFTGHTAVVEDVSWHLLHES
LFGSVADDQK
LMWDTRSNNTSKPSHSVDAHTAEVNCLSFNPYSEFILAT
GSADKTVALW
DLRNLKLLHSHFESHKDEIFVQWVSPHNETILASSGTD RR
LNVWDLKIG
EEQSPEDAEDGPPELLFIHGGHTAKISDFSWNPNEPWVIC
SVSEDNIMQV WQMAENYNDEDPEGSVDPEGQGS

Molecular weight information 48 kDa by SDS-PAGE
Amino acids 2 to 425
Tags His tag N-Terminus
Additional sequence information RbAp48: NM_005610.

Specifications

Our **Abpromise guarantee** covers the use of **ab196413** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE
Functional Studies

Form Liquid

Preparation and Storage

Stability and Storage Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.
pH: 8.00
Preservative: 1.36% Imidazole
Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 20% Glycerol

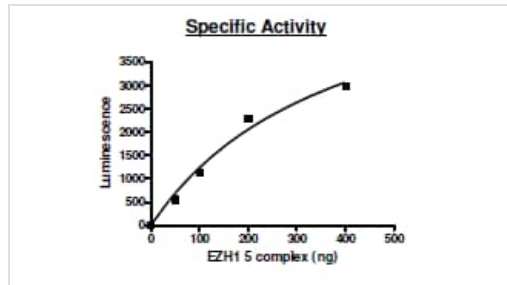
(glycerin, glycerine)

This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Cellular localization Nuclear

Images



Specific activity of ab196413.

Functional Studies - Recombinant human EZH1 + EED + SUZ12 + RBBP4 + AEBP2 protein (Active) (ab196413)



SDS-PAGE analysis of ab196413.

SDS-PAGE - Recombinant human EZH1 + EED + SUZ12 + RBBP4 + AEBP2 protein (Active) (ab196413)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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