

Recombinant human WFIKKN2 protein ab134608

Description

Product name	Recombinant human WFIKKN2 protein
Biological activity	Determined by its ability to inhibit Human Myostatin (GDF-8) activity in MCP-11 cells. The ED ₅₀ for this effect is 0.0025-0.0040 µg/ml in the presence of 5ng/ml of Human Myostatin (GDF-8).
Purity	> 95 % SDS-PAGE. Greater than 95% by SDS-PAGE gel and HPLC analyses.
Expression system	CHO cells
Accession	<u>Q8TEU8</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	

LPPIRYSHAG ICPNDMNPNL WVDAQSTCRR
 ECETDQECET YEKCCPNVCG TKSCVAARYM
 DVKGKKGPVG MPKEATCDHF MCLQQGSECD
 IMDGQPVCKC KDRCEKEPSF TCASDGLTYY
 NRCYMDAEAC SKGITLAVVT CRYHFTWPNT
 SPPPPETTMH PTTASPETPE LDMAAPALLN
 NPVHQSVTMG ETVSFLCDVV GRPRPEITWE
 KQLEDRENVV MRPNHVRGNV VVTNIAQLVI
 YNAQLQDAGI YTCTARNVAG VLRADFPLSV
 VRGHQAAATS ESSPNGTAFP AAECKLPPDS
 EDCGEEQTRW HFDAQANNCL TFTFGHCHRN
 LNHFETYEAC MLACMSGPLA ACSLPALQGP
 CKAYAPRWAY NSQTGQCQSF VYGGCEGNGN
 NFESREACEE SCPFPRGNQR CRACKPRQKL
 VTSFCRSDFV ILGRVSELTE EPDSGRALVT
 VDEVLKDEKM GLKFLGQEPL EVTLLHVDWA
 CPCPNVTVSE MPLIIMGEVD GGMAMLRPDS
 FVGASSARRV RKLREVMHKK TCDVLKEFLG LH

Predicted molecular weight	60 kDa
Amino acids	35 to 576

Specifications

Our **Abpromise guarantee** covers the use of **ab134608** 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 HPLC Functional Studies
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Constituent: 0.16% Sodium phosphate This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex.

General Info

Function	Protease-inhibitor that contains multiple distinct protease inhibitor domains. Probably has serine protease- and metalloprotease-inhibitor activity. Inhibits the biological activity of mature myostatin, but not activin.
Tissue specificity	Primarily expressed in ovary, testis and brain, but not in liver. In fetal tissues, it is primarily expressed in brain, skeletal muscle, thymus and kidney.
Sequence similarities	Belongs to the WFIKKN family. Contains 2 BPTI/Kunitz inhibitor domains. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Kazal-like domain. Contains 1 NTR domain. Contains 1 WAP domain.
Cellular localization	Secreted.

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