abcam

Product datasheet

Recombinant Human FbxO6 protein (denatured) ab167876

1 Image

Description

Product name	Recombinant Human FbxO6 protein (denatured)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	Q9NRD1
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDAPHSK AALDSINELP ENILLELFTH VPARQLLLNC RLVCSLWRDL IDLMTLWKRK CLREGFITKD WDQPVADWKI FYFLRSLHRN LLRNPCAEED MFAWQIDFNG GDRWKVESLP GAHGTDFPDP KVKKYFVTSY EMCLKSQLVD LVAEGYWEEL LDTFRPDIVV KDWFAARADC GCTYQLKVQL ASADYFVLAS FEPPPVTIQQ WNNATWTEVS YTFSDYPRGV RYILFQHGGR DTQYWAGWYG PRVTNSSIVV SPKMTRNQAS SEAQPGQKHG QEEAAQSPYR AVVQIF
Predicted molecular weight	36 kDa including tags
Amino acids	1 to 293
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab167876** 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
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 0.32% Tris-HCl buffer, 2.4% Urea, 10% Glycerol (glycerin, glycerine)

General Info

Function

Substrate-recognition component of some SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complexes. Involved in endoplasmic reticulum-associated degradation pathway (ERAD) for misfolded lumenal proteins by recognizing and binding sugar chains on unfolded glycoproteins that are retrotranlocated into the cytosol and promoting their ubiquitination and subsequent degradation. Able to recognize and bind denatured glycoproteins, which are modified with not only high-mannose but also complex-type oligosaccharides. Also recognizes sulfated glycans. Also involved in DNA damage response by specifically recognizing activated CHEK1 (phosphorylated on 'Ser-345'), promoting its ubiquitination and degradation. Ubiquitination of CHEK1 is required to insure that activated CHEK1 does not accumulate as cells progress through S phase, or when replication forks encounter transient impediments during normal DNA replication.

Pathway

Protein modification; protein ubiquitination.

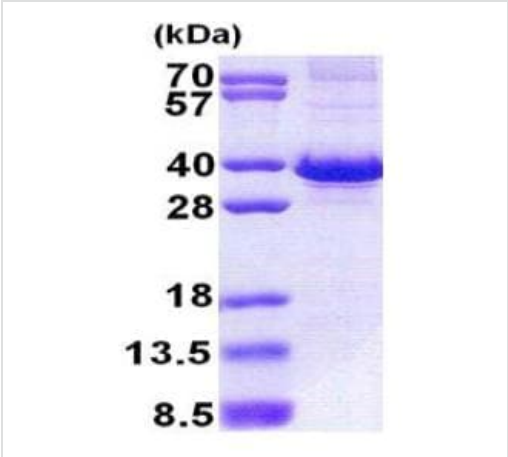
Sequence similarities

Contains 1 F-box domain.
Contains 1 FBA (F-box associated) domain.

Cellular localization

Cytoplasm.

Images



SDS-PAGE - Recombinant Human FbxO6 protein (denatured) (ab167876)

15% SDS-PAGE analysis of ab167876 (3µg)

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