

Product datasheet

Human FBXO31 protein fragment ab92209

1 Image

Overview

Product name	Human FBXO31 protein fragment
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Species	Human
Sequence	DLIKPGLFKGTYGSHGLEMMLSFHGRRARGTKITGDPNIPAGQQTVEI DLRHRIQLPDLENQRNFNELSRVLEVRERVRQEQQEGGHEAGEGRGRQ GPRESQPSPAQPRAEAPSKGPDGTPGEDGGEPGDAVAAAEQPAQCGQG Q PFVLPVGVSSRNEDYPRTCRMCFYGTGLIAGHGFTSPERTPGVFILF DE DRFGFVWLELKSFSLYSRVQATFRNADAPSPQAFDEMLKNIQSLTS
Amino acids	298 to 539

Specifications

Our [Abpromise guarantee](#) covers the use of **ab92209** 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 Mass Spectrometry
Form	Lyophilised
Additional notes	Protein Identity confirmed by Mass Spectrometry (MS/MS) (acquired on initial reference batch)

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Preservative: None
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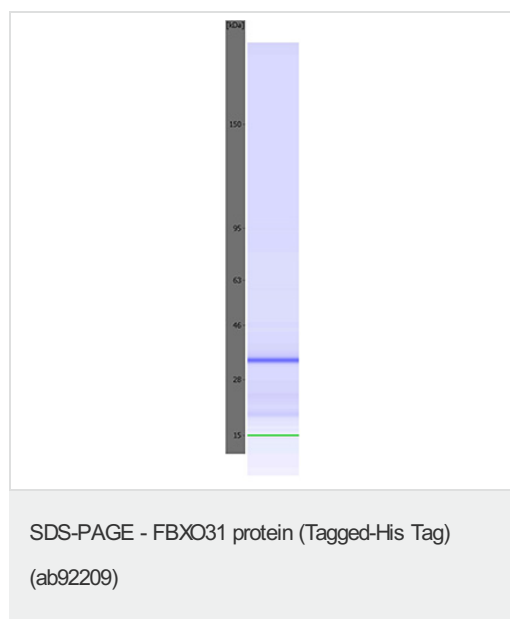
Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

Reconstitution Reconstitute with 138 µl aqua dest.

General Info

Function	Component of some SCF (SKP1-cullin-F-box) protein ligase complex that plays a central role in G1 arrest following DNA damage. Specifically recognizes phosphorylated cyclin-D1 (CCND1), promoting its ubiquitination and degradation by the proteasome, resulting in G1 arrest. May act as a tumor suppressor.
Tissue specificity	Highly expressed in brain. Expressed at moderate levels in most tissues, except bone marrow.
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Belongs to the FBXO31 family. Contains 1 F-box domain.
Developmental stage	Expression is cell-cycle regulated, and peaks at late G2 to early G1 phase (at protein level).
Post-translational modifications	Phosphorylation at Ser-278 by ATM following gamma-irradiation results in its stabilization.

Images



The image shows an electrophoretic assay performed using an Agilent 5100 ALP. In some images coloured control bands can be seen at 15 kDa (green) and/or 240 kDa (purple). The protein-specific band is blue.

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