abcam

Product datasheet

Recombinant Human CREB3L1/OASIS protein ab153567

1 Image

Description

Product name	Recombinant Human CREB3L1/OASIS protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MDAVLEPFPADRLFPGSSFLDLGDLNESDFLNNAHFPEH LDHFTENMEDF SNDLFSSFFDDPVLDEKSPLLDMELDSPTPGIQAEHSYSL SGDSAPQSPL VPIKMEDTTQDAEHGAWALGHKLCSIMVKQEQSPELPVD PLAAPSAMAAA AAMATTPLLGLSPLSRLPIPHQAPGEMTQLPVIKAEPLEVN QFLKVTPED LVQMPPTPPSSHGSDSDGSQSPRSLPPSSPVRPMARSS TAISTSPLLTAP HKLQGTSGPLLLTEEEKRTLIAEGYPIPTKLPLTKAEEKALK RVRRKIKN KISAQESRRKKKEYVECLEKKVETFTSENNELWKKVETLE NANRTLLQQL QKLQTLVTNKISRPYKMAATQTGTCLMVAALCFVLVLGSL VPCLPEFSSG SQTVKEDPLAADGVYTASQMPSRSLLFYDDGAGLWEDG RSTLLPMEPPDG WEINPGGPAEQRPRDHLQHDHLDSTHETTKYLSEAWPKD GGNGTSPDFSH SKEWFHDRDLGPNTTIKLS
Amino acids	1 to 519
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab153567** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid
Additional notes	This product was previously labelled as CREB3L1.

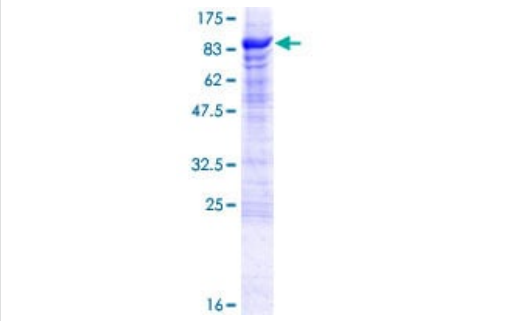
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Transcription factor that acts during endoplasmic reticulum stress by activating unfolded protein response target genes. Specifically involved in ER-stress response in astrocytes in the central nervous system (By similartity). May play a role in gliosis. In vitro, binds to box-B element, cAMP response element (CRE) and CRE-like sequences, and activates transcription through box-B element but not through CRE.
Tissue specificity	Ubiquitously expressed with high levels in pancreas and prostate. Expressed at relatively lower levels in brain.
Sequence similarities	Belongs to the bZIP family. ATF subfamily. Contains 1 bZIP domain.
Post-translational modifications	Controlled by regulated intramembrane proteolysis (RIP). Following ER stress a fragment containing the cytoplasmic transcription factor domain is released by proteolysis. The cleavage is performed sequentially by site-1 and site-2 proteases (PS1 and PS2) and is triggered by translocation to the Golgi apparatus.
Cellular localization	Endoplasmic reticulum membrane and Nucleus. Under ER stress the cleaved N-terminal cytoplasmic domain translocates into the nucleus.

Images



SDS-PAGE - Recombinant Human CREB3L1/OASIS protein (ab153567)

ab153567 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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