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Datasheet for ABIN7317341

CREB3L1 Protein (AA 396-519) (His tag)

Overview

Quantity:	100 µg
Target:	CREB3L1
Protein Characteristics:	AA 396-519
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CREB3L1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CREB3L1/OASIS Protein (aa 396-519, His Tag)
Sequence:	Glu396-Ser519
Characteristics:	A DNA sequence encoding the human CREB3L1 (Q96BA8-1) (Glu396-Ser519) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CREB3L1
Alternative Name:	CREB3L1/OASIS (CREB3L1 Products)
Background:	Background: CREB3L1, also known as OASIS, is a cellular transcription factor synthesized as a

Target Details

membrane-bound precursor. It is a putative endoplasmic reticulum (ER) stress sensor in astrocytes with a mechanism of activation. OASIS mRNA expression was detected in pancreatic β -cell lines and rodent islets, and the expression level was up-regulated by ER stress-inducing compounds. CREB3L1 may have a role in pancreas development. CREB3L1 may also play an important role in limiting virus spread by inhibiting proliferation of virus-infected cells. In vitro, CREB3L1 binds to box-B element, cAMP response element (CRE) and CRE-like sequences, and activates transcription through box-B element but not through CRE. It may play a role in gliosis.

Synonym: OASIS,PSEC0238

Molecular Weight: 15.2 kDa

Pathways: [Thyroid Hormone Synthesis](#), [Chromatin Binding](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, PH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.