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Datasheet for ABIN1097391

BCAS2 Protein (AA 2-225) (His tag,T7 tag)

Overview

Quantity:	50 µg
Target:	BCAS2
Protein Characteristics:	AA 2-225
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BCAS2 protein is labelled with His tag,T7 tag.

Product Details

Purpose:	Recombinant Human BCAS2/DAM1 (C-6His, N-T7 tag)
Sequence:	MASMTGGQQM GRGSMAGTGL VAGEVVVDAL PYFDQGYEAP GVREAAAALV EEETRRYRPT KNYLSYLTAP DYSAFETDIM RNEFERLAAR QPIELLSMKR YELPAPSSGQ KNDITAWQEC VNNSMAQLEH QAVRIENLEL MSQHGCNAWK VYNENLVHMI EHAQKELQKL RKHIQDLNWQ RKNMQLTAGS KLREMESNWV SLVSKNYEIE RTIVQLENEI YQIKQQHGEA NKENIRQDFL EHHHHHHH
Characteristics:	Recombinant Human Breast Carcinoma-Amplified Sequence 2/BCAS2 is produced by our E. coli expression system. The target protein is expressed with sequence (Ala2-Phe225) of Human BCAS2 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	BCAS2
Alternative Name:	Breast Carcinoma-Amplified Sequence 2/BCAS2 (BCAS2 Products)
Sub Type:	Fusionprotein
Background:	<p>Breast Carcinoma-Amplified Sequence 2 (BCAS2) is a member of the SPF27 family. BCAS2 is a nuclear protein and widely expressed in many tissues. BCAS2 is identified as being overexpressed in various breast cancer cell lines. BCAS2 is a component of the spliceosome, taking part in the removal of introns from mRNA precursors. BCAS2 interacts with estrogen receptor alpha and beta, thyroid hormone receptor beta, peroxisome proliferator-activated receptor gamma. BCAS2 functions as an ER co-activator and is capable of enhancing ER-mediated transcription.</p> <p>Alternative Names: Pre-mRNA-Splicing Factor SPF27, Breast Carcinoma-Amplified Sequence 2, DNA Amplified in Mammary Carcinoma 1 Protein, Spliceosome-Associated Protein SPF 27, BCAS2, DAM1</p>
Molecular Weight:	28.58 kDa
UniProt:	O75934

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 200 mM NaCl, 2 mM DTT, pH 8.0.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Handling

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months