

Datasheet for ABIN7551034

PRAME Protein (AA 1-509) (His tag)



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Overview

Quantity:	1 mg
Target:	PRAME
Protein Characteristics:	AA 1-509
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRAME protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PRAME Protein expressed in mammalian cells.
Sequence:	<p>MERRRLWGSQ QSRYSMSVW TSPRRVELA GQSLLKDEAL AIAALELLPR ELFPPLFMAA</p> <p>FDGRHSQTLK AMVQAWPFTC LPLGVLMKGQ HLHLETFKAV LDGLDVLLAQ EVRPRRWKLQ</p> <p>VLDLRKNSHQ DFWTVWSGNR ASLYSFEPE AAQPMTKKRK VDGLSTEAQ PFIPVEVLVD</p> <p>LFLKEGACDE LFSYLIEKVK RKKNVLRLLCC KKLKIFAMPM QDIKMILKMV QLDSIEDLEV</p> <p>TCTWKLPTLA KFSPYLGQMI NLRRLLLSHI HASSYISPEK EEQYIAQFTS QFLSLQCLQA</p> <p>LYVDSLFFLR GRDLQLLRHV MNPLETSLIT NCRLSEGDVM HLSQSPSVSQ LSVLSLSGVM</p> <p>LTDVSPEPLQ ALLERASATL QDLVFDECGI TDDQLLALLP SLSHCSQLTT LSFYGNISIS</p> <p>SALQSLQHL IGLSNLTHVL YPVPLESYED IHGTLHLERL AYLHARLREL LCELGRPSMV</p> <p>WLSANPCPHC GDRTFYDPEP ILCPCFMPN Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please</p>

contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

PRAME

Alternative Name:

PRAME ([PRAME Products](#))

Background:

Melanoma antigen preferentially expressed in tumors (Opa-interacting protein 4) (OIP-4) (Preferentially expressed antigen of melanoma),FUNCTION: Substrate-recognition component of a Cul2-RING (CRL2) E3 ubiquitin-protein ligase complex, which mediates ubiquitination of target proteins, leading to their degradation (PubMed:21822215, PubMed:26138980). The CRL2(PRAME) complex mediates ubiquitination and degradation of truncated MSRB1/SEPX1 selenoproteins produced by failed UGA/Sec decoding (PubMed:26138980). In the nucleus, the CRL2(PRAME) complex is recruited to epigenetically and transcriptionally active promoter regions bound by nuclear transcription factor Y (NFY) and probably plays a role in chromatin regulation (PubMed:21822215). Functions as a transcriptional repressor, inhibiting the signaling of retinoic acid through the retinoic acid receptors RARA, RARB and RARG: prevents retinoic acid-induced cell proliferation arrest, differentiation and apoptosis (PubMed:16179254). {ECO:0000269|PubMed:16179254, ECO:0000269|PubMed:21822215,

Target Details

	ECO:0000269 PubMed:26138980}.
Molecular Weight:	57.9 kDa
UniProt:	P78395
Pathways:	Retinoic Acid Receptor Signaling Pathway , Nuclear Hormone Receptor Binding

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months