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Datasheet for ABIN7548253

HEXIM1 Protein (AA 1-359) (His tag)

Overview

Quantity:	1 mg
Target:	HEXIM1
Protein Characteristics:	AA 1-359
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HEXIM1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat HEXIM1 Protein expressed in mammalien cells.
Sequence:	<p>MAEPFLSEYQ HQPQTSNCTG AAVQEELNP ERPPGAEERV PEEDSRWQSR AFPQLGGRPG PEGEGSLESQ PPPLQTQACP ESSCLREGEK GQNGDDSSAG GDFPPPAEVE PTPEAELLAQ PCHDSEASKL GAPAAGGEEE WGQQRQLGK KKHRRRPSKK KRHWKPYKYL TWEEKKKFDE KQSLRASRIR AEMFAKGQPV APYNTTQFLM DDHDQEEDL KTGLYSKRAA AKSDDTSDDD FMEEGGEDG GSDGMGGDGS EFLQRDFSET YERYHTESLQ NMSKQELIKE YLELEKCLSR MEDENNRLRL ESKRLGGDDA RVRELELELD RLRAENLQLL TENELHRQQE RAPLSKFGD</p> <p>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.</p> <p>In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- 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: HEXIM1

Alternative Name: HEXIM1 ([HEXIM1 Products](#))

Background: Protein HEXIM1 (Cardiac lineage protein 1) (Estrogen down-regulated gene 1 protein) (Hexamethylene bis-acetamide-inducible protein 1) (Menage a quatre protein 1),FUNCTION: Transcriptional regulator which functions as a general RNA polymerase II transcription inhibitor (PubMed:14580347, PubMed:15713661, PubMed:15201869). Core component of the 7SK RNP complex: in cooperation with 7SK snRNA sequesters P-TEFb in a large inactive 7SK snRNP complex preventing RNA polymerase II phosphorylation and subsequent transcriptional elongation (PubMed:12832472, PubMed:14580347, PubMed:15713661, PubMed:15201869). May also regulate NF-kappa-B, ESR1, NR3C1 and CIITA-dependent transcriptional activity (PubMed:15940264, PubMed:15941832, PubMed:17088550). Plays a role in the regulation of DNA virus-mediated innate immune response by assembling into the HDP-RNP complex, a complex that serves as a platform for IRF3 phosphorylation and subsequent innate immune response activation through the cGAS-STING pathway (PubMed:28712728).
{ECO:0000269|PubMed:12581153, ECO:0000269|PubMed:12832472,
ECO:0000269|PubMed:14580347, ECO:0000269|PubMed:15201869,

Target Details

ECO:0000269|PubMed:15713661, ECO:0000269|PubMed:15940264,
ECO:0000269|PubMed:15941832, ECO:0000269|PubMed:17088550,
ECO:0000269|PubMed:28712728}.

Molecular Weight: 40.6 kDa

UniProt: [O94992](#)

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