

Datasheet for ABIN7556187
HSF4 Protein (AA 1-492) (His tag)



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Overview

Quantity:	1 mg
Target:	HSF4
Protein Characteristics:	AA 1-492
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSF4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Hsf4 Protein expressed in mammalian cells.
Sequence:	<p>MQEAPAALPT EPGPSPVPAF LGKLWALVGD PGTDHLIRWS PSGTSFLVSD QSRFAKEVLP QYFKHSNMAS FVRQLNMYGF RKVVSIEQGG LLRPERDHVE FQHPSFVRGR EQLLERVRRK VPALRGDDSR WRPEDLSRLL GEVQALRGVQ ESTEARLQEL RQQNEILWRE VVTLRQSHSQ QHRVIGKLIQ CLFGPLQTGP SSTGAKRKLS LMLDEGSACS ASAKFNACPV SGALLQDPYF IQSPLPETTL GLSPHRARGP IISDIPEDSP SPEGHRLSPS GGCRRVKGLA LLKEEPASPG GDGEAGLALA PNECDFCVTA PPPLPVAVVQ AILEGKGSYS PEGPRSVOQP EPRGPREVPD RGTGLDRGN RSPESLLPPM LLRPAPETLE PVAPVDVLGP SLHGREWTLM DLDMELSLMQ PLAPETDEAE LTVKELNSSG VGKDHTLGTP LMLDVQADLE GAALSVP GAL TLYNVTESNA SYLDPGASPS SP 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 contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

HSF4

Alternative Name:

Hsf4 ([HSF4 Products](#))

Background:

Heat shock factor protein 4 (HSF 4) (mHSF4) (Heat shock transcription factor 4) (HSTF 4),FUNCTION: Heat-shock transcription factor that specifically binds heat shock promoter elements (HSE) (By similarity). Required for denucleation and organelle rupture and degradation that occur during eye lens terminal differentiation, when fiber cells that compose the lens degrade all membrane-bound organelles in order to provide lens with transparency to allow the passage of light (By similarity). In this process, may regulate denucleation of lens fiber cells in part by activating DNASE2B transcription (By similarity). May be involved in DNA repair through the transcriptional regulation of RAD51 (By similarity). May up-regulate p53/TP53 protein in eye lens fiber cells, possibly through protein stabilization (By similarity). In the eye lens, controls the expression of alpha-crystallin B chain/CRYAB and consequently may be involved in the regulation of lysosomal acidification (PubMed:31786107). {ECO:0000250|UniProtKB:Q5CZP2, ECO:0000250|UniProtKB:Q9ULV5, ECO:0000269|PubMed:31786107}., FUNCTION: [Isoform

Target Details

HSF4A]: Transcriptional repressor. {ECO:0000269|PubMed:10488131}., FUNCTION: [Isoform HSF4B]: Transcriptional activator. {ECO:0000269|PubMed:10488131}.

Molecular Weight: 53.3 kDa

UniProt: [Q9R0L1](#)

Pathways: [MAPK Signaling](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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