

Datasheet for ABIN7548242
HES1 Protein (AA 1-280) (His tag)



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Overview

Quantity:	1 mg
Target:	HES1
Protein Characteristics:	AA 1-280
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HES1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant HES1 Protein expressed in mammalian cells.
Sequence:	<p>MPADIMEKNS SSPVAATPAS VNTTPDKPKT ASEHRKSSKP IMEKRERRARI NESLSQLKTL ILDALKKDSS RHSKLEKADI LEMTVKHLRN LQRAQMTAAL STDPSVLGKY RAGFSECMNE VTRFLSTCEG VNTEVRTRLL GHLANCMTQI NAMTYPGQPH PALQAPPPPP PGPGGPQHAP FAPPPPLVPI PGGAAPPPGG APCKLGSQAG EAAKVFGGFQ VVPAPDGQFA FLIPNGAFAH SGPVIPVYTS NSGTSVGPNA VSPSSGPSLT ADSMWRPWWRN 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 isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	HES1
Alternative Name:	HES1 (HES1 Products)
Background:	Transcription factor HES-1 (Class B basic helix-loop-helix protein 39) (bHLHb39) (Hairy and enhancer of split 1) (Hairy homolog) (Hairy-like protein) (hHL),FUNCTION: Transcriptional repressor of genes that require a bHLH protein for their transcription. May act as a negative regulator of myogenesis by inhibiting the functions of MYOD1 and ASH1. Binds DNA on N-box motifs: 5'-CACNAG-3' with high affinity and on E-box motifs: 5'-CANNTG-3' with low affinity (By similarity). May play a role in a functional FA core complex response to DNA cross-link damage, being required for the stability and nuclear localization of FA core complex proteins, as well as for FANCD2 monoubiquitination in response to DNA damage. {ECO:0000250, ECO:0000269 PubMed:18550849}.
Molecular Weight:	29.5 kDa
UniProt:	Q14469
Pathways:	DNA Damage Repair

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