

Datasheet for ABIN7554098
H13 Protein (AA 1-377) (His tag)



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Overview

Quantity:	1 mg
Target:	H13
Protein Characteristics:	AA 1-377
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This H13 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant HM13 Protein expressed in mammalian cells.
Sequence:	MDSALSDPHN GSAEAGGPTN STTRPPSTPE GIALAYGSL L MALLPIFFG ALRSVRCARG KNASDMPETI TSRDAARFPI IASCTLLGLY LFFKIFSQEY INLLLSMYFF VLGILALSHT ISPFMKNKFFP ASFPNRQYQL LFTQGS GENK EEIINYEFD T KDLVCLGLSS IVGVWYLLRK HWIANNLFGL AFSLNGVELL HLNNVSTGCI LLGGLFIYDV FWVFGTNVMV TVAKSFEAPI KLVFPQDLLE KGLEANNFAM LGLGDVWIPG IFIALLLRFD ISLKKNTHTY FYTSFAAYIF GLGLTIFIMH IFKHAQPALL YLVPACIGFP VLVALAKGEV TEMFSYEESN PKDPAAVTES KEGTEASASK GLEKKEK 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.
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)
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Grade:	custom-made
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Target Details

Target:	H13
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Alternative Name:	HM13 (H13 Products)
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Background:	<p>Minor histocompatibility antigen H13 (EC 3.4.23.-) (Intramembrane protease 1) (IMP-1) (IMPAS-1) (hIMP1) (Presenilin-like protein 3) (Signal peptide peptidase),FUNCTION: Catalyzes intramembrane proteolysis of some signal peptides after they have been cleaved from a preprotein, resulting in the release of the fragment from the ER membrane into the cytoplasm. Required to generate lymphocyte cell surface (HLA-E) epitopes derived from MHC class I signal peptides (PubMed:11714810). May be necessary for the removal of the signal peptide that remains attached to the hepatitis C virus core protein after the initial proteolytic processing of the polyprotein (PubMed:12145199). Involved in the intramembrane cleavage of the integral membrane protein PSEN1 (PubMed:12077416, PubMed:11714810, PubMed:14741365). Cleaves the integral membrane protein XBP1 isoform 1 in a DERL1/RNF139-dependent manner (PubMed:25239945). May play a role in graft rejection (By similarity).</p> <p>{ECO:0000250 UniProtKB:Q9D8V0, ECO:0000269 PubMed:11714810, ECO:0000269 PubMed:12077416, ECO:0000269 PubMed:12145199, ECO:0000269 PubMed:14741365, ECO:0000269 PubMed:25239945}.</p>
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Target Details

Molecular Weight: 41.5 kDa

UniProt: [Q8TCT9](#)

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