Datasheet for ABIN7563522

HAS2 Protein (AA 1-552) (His tag)

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Overview

Quantity:	1 mg
Target:	HAS2
Protein Characteristics:	AA 1-552
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HAS2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Has2 Protein expressed in mammalien cells.
Sequence:	MHCERFLCVL RIIGTTLFGV SLLLGITAAY IVGYQFIQTD NYYFSFGLYG AFLASHLIIQ SLFAFLEHRK MKKSLETPIK LNKTVALCIA AYQEDPDYLR KCLQSVKRLT YPGIKVVMVI DGNSDDDLYM MDIFSEVMGR DKSATYIWKN NFHEKGPGET EESHKESSQH VTQLVLSNKS ICIMQKWGGK REVMYTAFRA LGRSVDYVQV CDSDTMLDPA SSVEMVKVLE EDPMVGGVGG DVQILNKYDS WISFLSSVRY WMAFNIERAC QSYFGCVQCI SGPLGMYRNS LLHEFVEDWY NQEFMGNQCS FGDDRHLTNR VLSLGYATKY TARSKCLTET PIEYLRWLNQ QTRWSKSYFR EWLYNAMWFH KHHLWMTYEA VITGFFPFFL IATVIQLFYR GKIWNILLFL LTVQLVGLIK SSFASCLRGN IVMVFMSLYS VLYMSSLLPA KMFAIATINK AGWGTSGRKT IVVNFIGLIP VSVWFTILLG GVIFTIYKES KKPFSESKQT VLIVGTLIYA CYWVMLLTLY VVLINKCGRR KKGQQYDMVL DV **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make**

Product Details

	another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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:	HAS2
Alternative Name:	Has2 (HAS2 Products)
Background:	Hyaluronan synthase 2 (EC 2.4.1.212) (Hyaluronate synthase 2) (Hyaluronic acid synthase 2) (HA synthase 2),FUNCTION: Catalyzes the addition of GlcNAc or GlcUA monosaccharides to the nascent hyaluronan polymer. Therefore, it is essential to hyaluronan synthesis a major component of most extracellular matrices that has a structural role in tissues architectures and regulates cell adhesion, migration and differentiation. This is one of the isozymes catalyzing that reaction and it is particularly responsible for the synthesis of high molecular mass hyaluronan (PubMed:10455188). Required for the transition of endocardial cushion cells into mesenchymal cells, a process crucial for heart development (PubMed:10930438). May also play a role in vasculogenesis. High molecular mass hyaluronan also play a role in early contact inhibition a process which stops cell growth when cells come into contact with each other or the extracellular matrix. {ECO:0000269|PubMed:10455188, ECO:0000269|PubMed:10930438}., FUNCTION: Catalyzes the addition of GlcNAc or GlcUA monosaccharides to the nascent

Target Details

	hyaluronan polymer. Therefore, it is essential to hyaluronan synthesis a major component of most extracellular matrices that has a structural role in tissues architectures and regulates cell adhesion, migration and differentiation (By similarity). This is one of three isoenzymes responsible for cellular hyaluronan synthesis and it is particularly responsible for the synthesis of high molecular mass hyaluronan (PubMed:10455188). {ECO:0000250|UniProtKB:Q92819, ECO:0000269|PubMed:10455188}.
Molecular Weight:	63.5 kDa
UniProt:	P70312
Pathways:	Glycosaminoglycan Metabolic Process

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