

Datasheet for ABIN7557723
HAS1 Protein (AA 1-583) (His tag)



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Overview

Quantity:	1 mg
Target:	HAS1
Protein Characteristics:	AA 1-583
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HAS1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Has1 Protein expressed in mammalian cells.
Sequence:	<p>MRQDMPKPSE AARCCSLGAR RALTIIFALL ILGLMTWAYA AGVPLASDRY GLLAFGLYGA</p> <p>FLSAHLVAQS LFAYLEHRRV AAAARRSLAK GPLDAATARS VALTISAYQE DPAYLRQCLT</p> <p>SARALLYPHT RLRVLMVVDG NRAEDLYMVD MFREVFADDED PATYVWDGNY HQPWEPAEAT</p> <p>GAVGEGAYRE VEAEDPGRLA VEALVRTRRC VCVAQRWGGK REVMYTAFKA LGDSVDYVQV</p> <p>CSDSTRLDPM ALLELVRVLD EDPRVGAVGG DVRILNPLDS WVSFLSSLRY WVAFNVERAC</p> <p>QSYFHCVSCI SGPLGLYRNN LLQQFLEAWY NQKFLGTHCT FGDDRHLTNR MLSMGYATKY</p> <p>TSRRCYSET PSSFLRWLSQ QTRWSKSYFR EWLYNALWWH RHHAWMTYEA VVSGLFPPFFV</p> <p>AATVLRLFYA GRPWALLWVL LCVQGVALAK AAFAAWLRGC VRMVLLSLYA PLYMCGLLPA</p> <p>KFLALVTMNQ SGWGTSGRKK LAANYVPVLP LALWALLLLG GLARVAQEA RADWSGPSRA</p> <p>AEAYHLAAGA GAYVAYWVVM LTIYWVGVRRLCRRRSGGYR VQV Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different</p>

complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	HAS1
Alternative Name:	Has1 (HAS1 Products)
Background:	<p>Hyaluronan synthase 1 (EC 2.4.1.212) (Hyaluronate synthase 1) (Hyaluronic acid synthase 1) (HA synthase 1),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. Also able to catalyze the synthesis of chito-oligosaccharide depending on the substrate. {ECO:0000269 PubMed:10455188}.</p>
Molecular Weight:	65.5 kDa
UniProt:	Q61647
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.
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Restrictions:	For Research Use only
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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