

Datasheet for ABIN7557170

HGSNAT Protein (AA 1-656) (His tag)



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Overview

Quantity:	1 mg
Target:	HGSNAT
Protein Characteristics:	AA 1-656
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HGSNAT protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Hgsnat Protein expressed in mammalien cells.
Sequence:	<p>MTGGSSSRRR RAEERSSAAG TERNRREAV GGMGAGPALA ALLAGSVLS ATLLAPGRRA</p> <p>EPDLDEKRN ELKMDQALL IHNELLGTS TVYWKSDDCY QCTFQPLANV SHGGKPAKPS</p> <p>VAPVSVSTQH GSILQVNST EERAACRLEY KFGFEGNYSL LVQHASSGAN KIACDIIVNE</p> <p>NPVDSNLPVS IAFVLGLALI VAVSLLRLLL SLDDVNNWIS KTIASRETDR LINSELGSPS</p> <p>RADPLSADYQ PETRRSSANR LRCVDTFRGL ALVLMVFVNY GGGKYWYFKH SSWNGLTVAD</p> <p>LVFPWFVFIM GTSIFLSMTS ILQRGCSKLL LKGKIVWRSF LLICIGVIIV NPNYCLGPLS</p> <p>WDKVRIPGVL QRLGVTYFV AVLEFFFWKP VPDSCLESS CFSLRDITSS WPQWLITLTL</p> <p>ESIWLALTFF LPVPGCPTGY LGPGGIGDLG KYPHCTGGAA GYIDRLLLGD NHLYQHPSST</p> <p>VLYHTEVAYD PEGVLGTINS IVMAFLGVQA GKILVYYKDQ TKAILTRFAA WCCILGLISI</p> <p>VLTKVSANEG FIPINKNLWS ISYVTTLS CF AFFILLILYP VVDVKGLWTG TPFFYPMNS</p> <p>ILVYVGHEVL ENYFPFQWKL ADEQSHKEHL IQNIVATALW VLIAYVLYKK KLFWKI Sequence</p>

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.

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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	HGSNAT
Alternative Name:	Hgsnat (HGSNAT Products)
Background:	Heparan-alpha-glucosaminide N-acetyltransferase (EC 2.3.1.78) (Transmembrane protein 76),FUNCTION: Lysosomal acetyltransferase that acetylates the non-reducing terminal alpha-glucosamine residue of intralysosomal heparin or heparan sulfate, converting it into a substrate for luminal alpha-N-acetyl glucosaminidase. {ECO:0000269 PubMed:16960811}.
Molecular Weight:	72.5 kDa
UniProt:	Q3UDW8
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