

Datasheet for ABIN7554102

## HGSNAT Protein (AA 1-663) (His tag)



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### Overview

Quantity:	1 mg
Target:	HGSNAT
Protein Characteristics:	AA 1-663
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HGSNAT protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant HGSNAT Protein expressed in mammalian cells.
Sequence:	<p>MTGARASAAE QRRAGRSGQA RAAERAAGMS GAGRALAALL LAASVLSAAL LAPGGSSGRD</p> <p>AQAAPPRDL D KKRHAELKMD QALLLIHNEL LWTNLTVYWK SECCYHCLFQ VLVNVPQSPK</p> <p>AGKPSAAAAS VSTQHGSILQ LNDTLEEKEV CRLEYRFGF GNYSLLVKNI HNGVSEIACD</p> <p>LAVNEDPVDS NLPVSIAFLI GLAVIIVISF LRLLLSLDDF NNWISKAISS RETDRLINSE LGSPSRDPL</p> <p>DGDVQPATWR LSALPPRLRS VDTFRGIALI LMVFVNYGGG KYWYFKHASW NGLTVADLVF</p> <p>PWFVFIMGSS IFLSMTSILQ RGCSKFRLLG KIAWRSFLLI CIGIIIVNPN YCLGPLSWDK</p> <p>VRIPGVLQRL GVTYFVVAVL ELLFAKPVPE HCASERSCLS LRDITSSWPQ WLLILVLEGL</p> <p>WLGLTFLLPV PGCPTGYLGP GGIGDFGKYP NCTGGAAGYI DRLLLGDDHL YQHPSSAVLY</p> <p>HTEVAYDPEG ILGTINSIVM AFLGVQAGKI LLYKARTKD ILIRFTAWCC ILGLISVALT</p> <p>KVSENEGFIP VNKNLWLSY VTTLSSFAFF ILLVLYPVVD VKGLWTGTPF FYPGMNSILV</p> <p>YVGHEVFENY PPFQWKLKDN QSHKEHLTQN IVATALWVLI AYILYRKKIF WKI <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a</b></p>

## Product Details

**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:

- 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:** 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, ECO:0000269|PubMed:17033958, ECO:0000269|PubMed:19823584, ECO:0000269|PubMed:20650889}.

**Molecular Weight:** 73.3 kDa

**UniProt:** [Q68CP4](#)

## Target Details

Pathways: [Glycosaminoglycan Metabolic Process](#)

## 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