

Datasheet for ABIN7548256  
**HS6ST1 Protein (AA 1-411) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	HS6ST1
Protein Characteristics:	AA 1-411
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HS6ST1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant HS6ST1 Protein expressed in mammalian cells.
Sequence:	<p>MRRRRAGGRT MVERASKFVL VVAGSVCFML ILYQYAGPGL SLGAPGGRAP PDDLDFPTP DPHYEKKYF PVRELERSLR FDMKGDDVIV FLHIQKTGGT TFGRLVQNV RLEVPCDCRP GQKKCTCYRP NRRETWLFSR FSTGWSCGLH ADWTELTNCV PGVLDLRRDSA ALRTPRKFYY ITLLRDPVSR YLSEWRHVQR GATWKTSLHM CDGRTPTPEE LPPCYEGTDW SGCTLQEFMD CPYNLANNRQ VRMLADLSLV GCYNLSFIPE GKRAQLLLES AKKNLRGMAF FGLTEFQRKT QYLFERTFNL KFIRPFMQYN STRAGGVEVD EDTIRRIEEL NDLDMLYDY AKDLFQQRYQ YKRQLERREQ RLRSREERLL HRAKEALPRE DADEPGRVPT EDYMSHIEK W <b>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.</b></p>
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.

## Product Details

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

HS6ST1

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### Alternative Name:

HS6ST1 ([HS6ST1 Products](#))

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### Background:

Heparan-sulfate 6-O-sulfotransferase 1 (HS6ST-1) (EC 2.8.2.-),FUNCTION: 6-O-sulfation enzyme which catalyzes the transfer of sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to position 6 of the N-sulfoglucosamine residue (GlcNS) of heparan sulfate. Critical for normal neuronal development where it may play a role in neuron branching. May also play a role in limb development. May prefer iduronic acid. {ECO:0000269|PubMed:21700882, ECO:0000269|PubMed:9535912}.

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### Molecular Weight:

48.2 kDa

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### UniProt:

[O60243](#)

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### Pathways:

[Glycosaminoglycan Metabolic Process](#)

## Application Details

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### Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for

## Application Details

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functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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