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Datasheet for ABIN7557873  
**HS3ST2 Protein (AA 1-367) (His tag)**

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | HS3ST2  |
| Protein Characteristics:      | AA 1-367                                      |
| Origin:                       | Mouse   |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This HS3ST2 protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS), Western Blotting (WB)         |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Custom-made recombinat Hs3st2 Protein expressed in mammalien cells.   |
| Sequence:        | MAYRVLGRAG PPQRRARRL LFAFTLSLSC TYLCYSFLCC CDGLGQSRLG GAPRCLRGPS<br>ASGQKLLAKS RPCDPPGPTP SEPSAPSAPA AAPAPRLSG SNHSGSPKPG TKRLPQALIV<br>GVKKGGTRAV LEFIRVHPDV RALGTEPHFF DRNYGRGLDW YRSLMPRTL TQITLEKTPS<br>YFVTQEAPRR IFNMSRDTKL IVVVRNPVTR AISDYTQTLS KKPDIPTFEG LSFNRSLGL<br>VDVSWNAIRI GMYALHLESW LRYFPLAQIH FVSGERLITD PAGEMGRIQD FLGIKRFITD<br>KHFYFNKTKG FPCLKKPEST LLPRCLGKSK GRTHVQIDPE VIDQLREFYR PYNIKFYETV<br>GQDFRWE <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> |
| Characteristics: | Key Benefits:   |

## Product Details

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- 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, Western Blot

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Grade: custom-made

## Target Details

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Target: HS3ST2

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Alternative Name: Hs3st2 ([HS3ST2 Products](#))

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Background: Heparan sulfate glucosamine 3-O-sulfotransferase 2 (EC 2.8.2.29) (Heparan sulfate D-glucosaminyl 3-O-sulfotransferase 2) (Heparan sulfate 3-O-sulfotransferase 2),FUNCTION: Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) to catalyze the transfer of a sulfo group to an N-unsubstituted glucosamine linked to a 2-O-sulfo iduronic acid unit on heparan sulfate (By similarity). Catalyzes the O-sulfation of glucosamine in GlcA2S-GlcNS (By similarity). Unlike HS3ST1/3-OST-1, does not convert non-anticoagulant heparan sulfate to anticoagulant heparan sulfate (By similarity). {ECO:0000250|UniProtKB:Q9Y278}.

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Molecular Weight: 41.4 kDa

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UniProt: [Q673U1](#)

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Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

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## Application Details

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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

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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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