abcam

Product datasheet

Recombinant Human HS3ST3A1 protein ab160737

1 Image

Description

Product name	Recombinant Human HS3ST3A1 protein
Expression system	Wheat germ
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	LFVSGERLISDPAGELGRVQDFLGLKRIITDKHFYFNKTKG FPCLKKAEG SSRPHCLGKTKGRTHPEIDREVVRRLREFYRPFNLKFYQM TGHDFGWDG
Amino acids	308 to 406
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab160737** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

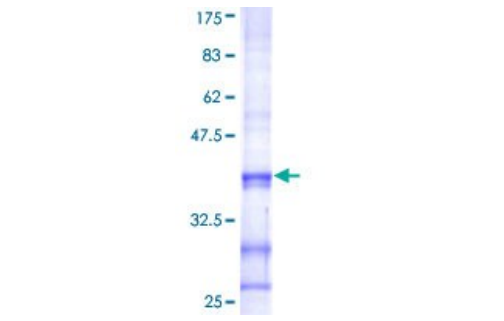
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

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. Catalyzes the O-sulfation of glucosamine in IdoUA2S-GlcNS and also in IdoUA2S-GlcNH2. The substrate-specific O-sulfation generates an enzyme-modified heparan sulfate which acts as a binding receptor to Herpes simplex virus-1 (HSV-1) and permits its entry. Unlike 3-OST-1, does not convert non-anticoagulant heparan sulfate to anticoagulant heparan sulfate.
Tissue specificity	Ubiquitous. Most abundant in heart and placenta, followed by liver and kidney.
Sequence similarities	Belongs to the sulfotransferase 1 family.
Cellular localization	Golgi apparatus membrane.

Images



SDS-PAGE - Recombinant Human HS3ST3A1 protein (ab160737)

ab160737 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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