

## Active Recombinant Human HS3ST4 Protein, His-tagged

Cat. No. HS3ST4-564H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human HS3ST4 (Accession # NP_006031) Gly184-Lys456, fused with an N-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	Gly184-Lys456
<b>Predicted N Terminal</b>	HHHHHHGGAV
<b>Form</b>	Supplied as a 0.2 µm filtered solution in Tris, NaCl and Glycerol.
<b>Bio-activity</b>	Measured by its ability to transfer sulfate from PAPS to heparan sulfate. The specific activity is >5 pmol/min/g, as measured under the described conditions.
<b>Molecular Mass</b>	Recombinant Human HS3ST4, His-tagged has a calculated MW of 32 kDa. In SDS-PAGE migrates as 35-43 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

months (-70°C).

## GENE INFORMATION

**Gene Name** [HS3ST4 heparan sulfate \(glucosamine\) 3-O-sulfotransferase 4 \[ Homo sapiens \]](#)

**Official Symbol** [HS3ST4](#)

**Synonyms** [HS3ST4](#); heparan sulfate (glucosamine) 3-O-sulfotransferase 4; heparan sulfate glucosamine 3-O-sulfotransferase 4; [3OST4](#); heparan sulfate 3-O-sulfotransferase 4; heparan sulfate 3-O-sulfotransferase-4; heparan sulfate D-glucosaminyl 3-O-sulfotransferase 4; [30ST4](#); 3-OST-4; h3-OST-4;

**Gene ID** [9951](#)

**mRNA Refseq** [NM\\_006040](#)

**Protein Refseq** [NP\\_006031](#)

**MIM** [604059](#)

**UniProt ID** [Q9Y661](#)

**Chromosome Location** [16p11.2](#)

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