

## ARG83303 Human HS6ST1 ELISA Kit

Package: 96 wells

Store at: 4°C

### Summary

Product Description	ARG83303 Human HS6ST1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human HS6ST1 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	HS6ST1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.5 pg/ml
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 6.2% Inter-Assay CV: 5.6%
Alternate Names	HS6ST1; Heparan Sulfate 6-O-Sulfotransferase 1; HS6ST; Heparan-Sulfate 6-O-Sulfotransferase 1; HS6ST-1; Heparan-Sulfate 6-Sulfotransferase; EC 2.8.2.-; EC 2.8.2; HH15

### Application Instructions

Assay Time	~ 5 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

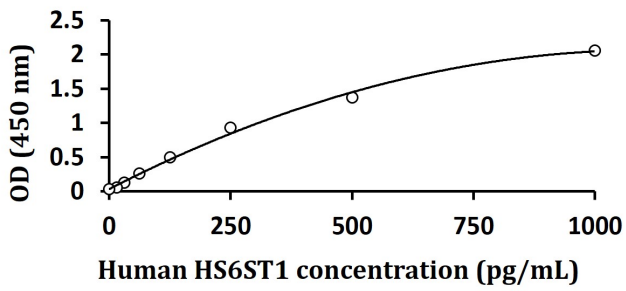
### Bioinformation

Gene Symbol	HS6ST1
Gene Full Name	Heparan Sulfate 6-O-Sulfotransferase 1
Background	The protein encoded by this gene is a member of the heparan sulfate biosynthetic enzyme family. Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biological activities. This enzyme is a type II integral membrane protein and is responsible for 6-O-sulfation of heparan sulfate. This enzyme does not share significant sequence similarity with other known sulfotransferases. A pseudogene located on chromosome 1 has been found for this gene.

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.
PTM	Glycoprotein
Cellular Localization	Membrane

## Images

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ARG83303 Human HS6ST1 ELISA Kit standard curve image

ARG83303 Human HS6ST1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.