

## Product datasheet for **TP517755**

### Chst10 (NM\_145142) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse carbohydrate sulfotransferase 10 (Chst10), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR217755 representing NM_145142 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MENVNPSGRIIEWPLSDNMHHQWLLLAACFWWIFMFMVASKFITLTFKDPDGYSAKQEFVFLTTMPEAEK LRGEKHFPEVPKPTGKMLSRSRDPQPPVYLERLELIRNTCKEEALRNLSHTEVSKFVLDRIFVCDKHKIL FCQTPKVGNTQWKKVLIVLNGAFSSIEEIPENVVHDHEKNGLPRLSSFSKIGIQKRLKTYFKFFIVRDPF ERLISAFKDKFVHNPRFEPWYRHEIAPGIIRKYRKNRTETRGIQFEDFVRYLGDPNRRWLDLQFGDHIH WVTYVELCAPCEIKYSVGHHTLEADAPYILKEAGIDHLVSYPTIPPGITMYNRTKVEQYFLGISKRDI RRLYARFEGDFKFLFGYQKPDFLLN</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	44.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_660124</a>
Locus ID:	98388
UniProt ID:	<a href="#">Q6PGK7</a> , <a href="#">A2RSS2</a>



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RefSeq Size: 3135

Cytogenetics: 1 B

RefSeq ORF: 1122

Synonyms: AI507003; AU041319; Hnk-1st; ST

**Summary:** Catalyzes the transfer of sulfate to position 3 of terminal glucuronic acid of both protein- and lipid-linked oligosaccharides. Participates in biosynthesis of HNK-1 carbohydrate structure, a sulfated glucuronyl-lactosaminy residue carried by many neural recognition molecules, which is involved in cell interactions during ontogenetic development and in synaptic plasticity in the adult. May be indirectly involved in synapse plasticity of the hippocampus, via its role in HNK-1 biosynthesis.[UniProtKB/Swiss-Prot Function]