

Product datasheet for **TP506647**

Chst12 (NM_021528) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse carbohydrate sulfotransferase 12 (Chst12), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206647 protein sequence Red =Cloning site Green =Tags(s)

MTKPRLFRLWLVLGSALEMLLIIVYWDNVGTAHFYLHTSLSRPHILEPLPTQGLVEENVFTSDVDFEFLDT
LLSSDAKHNDLSRRKTEQPPAPAPSKPVLSHMEENVRGYDWSTHDAHQNPDQRQAERRSLLRDFCANA
SLAFPTKDRSFDDIPNYELNHLIVDDRHGVIYCYVPKVACTIONWKRVMIVLSESLDRGSPYRDPLDIPRE
HVHNTSTHLTFNKFWRRYGKFSRHLMKVKLKYTKFLFVRDPFVRLISAFRSKFELENEEFYRKFVPMML
RLYANHTSLPASVSEAFSAGLKVFSANFIQYLLDPHTEKLAPFNEHWRQVYRLCHPCQIDYDFVGKLETL
DEDAAQLLRFLKVDSQLHFPPSYRNRTASSWEEDWFANIPLAWRQQLYKLYEADFVLFYGPYPENLLRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	49.4 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:	NP_067503
Locus ID:	59031
UniProt ID:	Q99LL3



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RefSeq Size: 1802

Cytogenetics: 5 G2

RefSeq ORF: 1260

Synonyms: AI595374; C4S-2; C4ST2

Summary: Catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GalNAc) residue of chondroitin and desulfated dermatan sulfate. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage and is distributed on the surfaces of many cells and extracellular matrices. Activity toward partially desulfated dermatan sulfate is however lower. Does not form 4, 6-di-O-sulfated GalNAc when chondroitin sulfate C is used as an acceptor (By similarity).[UniProtKB/Swiss-Prot Function]