

Product datasheet for **TP505017**

St3gal1 (NM_009177) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ST3 beta-galactoside alpha-2,3-sialyltransferase 1 (St3gal1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205017 protein sequence Red =Cloning site Green =Tags(s)
	<p>MRRKTLKYLTFLLFIFLTSFVLNYSNTGVPSAWFPKQMLLELSENFRRFIKSQPCTCRHCISQDKVSYW FDQRFNKTMQPLLTVHNALMEEDTYRWWLRLQQRERKPNLSDTVKELFRLVPGNVDPMLNKRRLVGCRRCA VVGNSGNLKDSSYGPEIDSHDFVLRMKNKAPTGVFEADVSRTHHLVYPESFRELGENVMVLVPFKTTD LQWVISATTTGTITHTYVPVPPKIKVKQEKILYHPAFIKYVFDNWLQGHGRYPSTGILSIIFSIIHICDE VDLYGFGADSKGNWHHYWENNPSAGAFRKTGVHDGDFEYNITTTLAAINKIRIFKGR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	39.1 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_033203
Locus ID:	20442
UniProt ID:	P54751 , Q544T4



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RefSeq Size: 5784

Cytogenetics: 15 D2

RefSeq ORF: 1014

Synonyms: 5330418N22Rik; AI467004; Siat4; Siat4a; St3gal-1; ST3Gall

Summary: Responsible for the synthesis of the sequence NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc- found on sugar chains O-linked to Thr or Ser and also as a terminal sequence on certain gangliosides. SIAT4A and SIAT4B sialylate the same acceptor substrates but exhibit different Km values. [UniProtKB/Swiss-Prot Function]