

Product datasheet for TP518449

Fut1 (NM_008051) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse fucosyltransferase 1 (Fut1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218449 representing NM_008051 Red =Cloning site Green =Tags(s) <p>MWTPSRRQLCLAFLLVCVLSAGSFFFHNLNGGNFFRNGLTLSVLCSDYHLLKSPVAMVCLPHPLQTSNGSP SCPEQSSSLSGTWTITPGGRFGNQMGQYATLLALAQLNGRQAFIQPEMHAALAPVFRISLPVLDPEVDSL TPWQHLLVLDWMSEEYSHLEDPFLKLSGFPCSWTFFHHLREQIRREFTLHNHLREGAQYLLSGLRIGPAG IRPHTFVGVHVRRGDYLEVMPNRWKGWVGDRAYLQQAMDWFRARHKDPIFVVTNSGMKWCLENIDTSHGD VWFAGNGQEGTPGKDFALLTQCNHTIMTIGTFGFWAAYLAGGDTVYLANFTLPDSEFLKIFRPEAAFLPE WVGINADLSPLQAQFDPWKPDSLFRV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	42.8 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_032077
Locus ID:	14343
UniProt ID:	O09160



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RefSeq Size: 2578

Cytogenetics: 7 29.39 cM

RefSeq ORF: 1131

Synonyms: MFUT-1

Summary: This gene is one of three genes in mouse which encode a galactoside 2-L-fucosyltransferase. These genes differ in their developmental- and tissue-specific expression. The encoded type II membrane protein is anchored in the Golgi apparatus and controls the final step in the creation of alpha (1,2) fucosylated carbohydrates by the addition of a terminal fucose in an alpha (1,2) linkage. This enzyme is required for the synthesis of the Lewis antigen as well as the H-antigen, a precursor of the A and B antigens of the ABH histo-blood group. The biological function of the fucosylated carbohydrate products is thought to involve cell-adhesion and interactions with microorganisms. Disruption of this gene impairs development of the olfactory nerve and maturation of the glomerular layer of the main olfactory bulb. Alternative splicing results in multiple transcript variants which encode distinct isoforms. [provided by RefSeq, Dec 2012]