

Product datasheet for TP303762

RXYLT1 (NM_014254) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transmembrane protein 5 (TMEM5), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203762 protein sequence Red =Cloning site Green =Tags(s)
	MRLTRKRLCSFLIALYCLFSLYAAYHVFFGRRRQAPAGSPRGLRKGAAPARERRRGREQSTLESEEWNPWEGDEKNEQQHRFKTSLQILDKSTKGKTDLSVQIWGKAAIGLYLWEHIFEGLLDPSDVTAQWREGKSIVGRTQYSFITGPAVIPGYFSVDVNNVLLILNGREKAKIFYATQWLLYAQNLVQIQKQLHLAVLLGNEHCDNEWINPFLKRNGGFVELLFIYDSPWINDVDVFQWPLGVATYRNFVPVEASWSMLHDERPYLCNFLGTIYENS SRQALMNILKKDGNKLCWVSAREHWQPQETNESLKNYQDALLQSDLTLCPVGVNTECYRIYEACSYGSI PVVEDVMTAGNCGNTSVHHGAPLQLLKSMGAPFIFIKNWKELPAVLEKEKTIILQEKIERRKMLLQWYQH FKTELKMKFTNILESSFLMNNKS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	51 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
Bioactivity:	Enzyme activity (PMID: 27130732)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



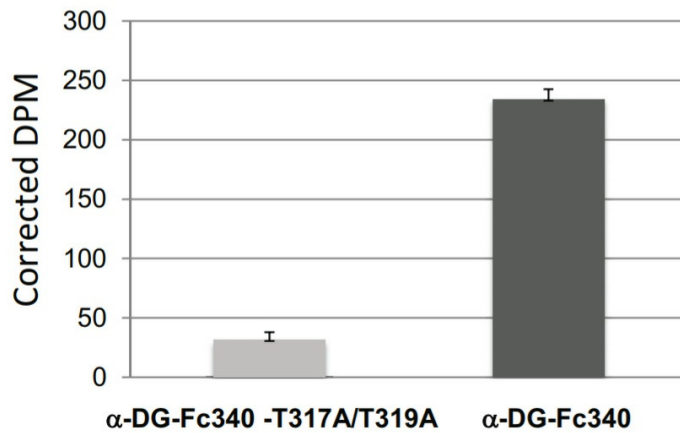
[View online »](#)

RefSeq: [NP_055069](#)
Locus ID: 10329
UniProt ID: [Q9Y2B1](#)
RefSeq Size: 1963
Cytogenetics: 12q14.2
RefSeq ORF: 1329
Synonyms: HP10481; MDDGA10; TMEM5

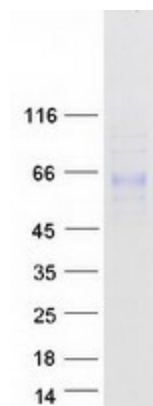
Summary: This gene encodes a type II transmembrane protein that is thought to have glycosyltransferase function. Mutations in this gene result in cobblestone lissencephaly. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]

Protein Families: Transmembrane

Product images:



TMEM5 is the UDP-Xyl transferase for alpha-DG-Fc340. Recombinant full-length TMEM5 (OriGene TP303762) and radiolabeled UDP-Xyl [Xyl-14C] was incubated with either purified alpha-DG-Fc340 or mutant alpha-DGFc340-T317A/T319A. Scintillation chromatography measured the incorporation of radioactivity into the proteins (N = 3). Figure cited from elife, PMID: 27130732



Coomassie blue staining of purified RXYLT1 protein (Cat# TP303762). The protein was produced from HEK293T cells transfected with RXYLT1 cDNA clone (Cat# [RC203762]) using MegaTran 2.0 (Cat# [TT210002]).