

## Product datasheet for TP303762L

### RXYLT1 (NM\_014254) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human transmembrane protein 5 (TMEM5), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC203762 protein sequence  
Red=Cloning site Green=Tags(s)

MRLTRKRLCSFLIALYCLFSLYAAYHVFFGRRRQAPAGSPRGLRKGAAPARERRRGREQSTLESEEWNPWEGDEKNEQQHRFKTSLQILDKSTKGKTDLSVQIWGKAAIGLYLWEHIFEGLLDPSDVTAQWREGKSIVGRTQYSFITGPAVIPGYFSVDVNNVLLILNGREKAKIFYATQWLLYAQNLVQIQKLQHLAVLLGNEHCDNEWINPFLKRNGGFVELLFIYDSPWINDVDVFQWPLGVATYRNFVPVEASWSMLHDERPYLCNFLGTIYENS SRQALMNILKKDGNKLCWVSAREHWQPQETNESLKNYQDALLQSDLTLCPVGVNTECYRIYEACSYGSPVVEDVMTAGNCGNTSVHHGAPLQLLKSMGAPFIFIKNWKELPAVLEKEKTIILQEKIERRKMLLQWYQHFKTELKMKFTNILESSFLMNNKS

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.



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RefSeq: [NP\\_055069](#)

Locus ID: 10329

UniProt ID: [Q9Y2B1](#)

RefSeq Size: 1963

Cytogenetics: 12q14.2

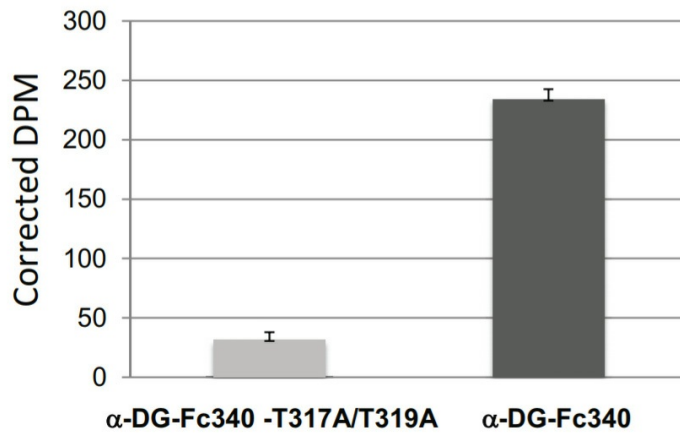
RefSeq ORF: 1329

Synonyms: HP10481; MDDGA10; TMEM5

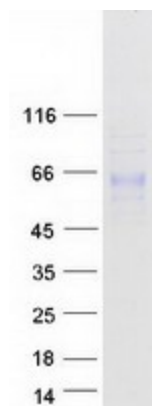
**Summary:** This gene encodes a type II transmembrane protein that is thought to have glycosyltransferase function. Mutations in this gene result in cobblestone lissencephaly. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]

**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]).