

## Product datasheet for **TP314024L**

### **B3GNT6 (NM\_138706) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6 (core 3 synthase) (B3GNT6), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214024 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAFPCRRSLTAKTLACLLVGVSFLLALQQWFLQAPRSPREERSPQEETPEGPTDAPAADEPPSELVPGPPC  
VANASANATADFEQLPARIQDFLRHRHCRHFLLWDAPAKCAGGRGVFLLAVKSAPEHYERRELIRRTW  
GQERSYGGRPVRRLLFLLGTPPEDEARAERLAELVALEAREHGDVLQWAFADTFNLTLKHLHLLDWLAA  
RCPHARFLLSGDDDDVFHTANVVRFLQAQPPGRHLFSGQLMEGSVPIRDSWSKYFVPPQLFPGSAYPVYC  
SGGGFLLSGPTARALRAAARHTLPIDDAYMGMCLERAGLAPSGHEGIRPFGVQLPGAQQSSFDPFCMYR  
ELLVHRFAPYEMLLMWKALHSPALSCDRGHRVS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	42.6 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
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.
RefSeq:	<u><a href="#">NP_619651</a></u>



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Locus ID: 192134

UniProt ID: [Q6ZMB0](#), [A8K9Q8](#)

RefSeq Size: 2560

Cytogenetics: 11q13.5

RefSeq ORF: 1152

Synonyms: 3-Gn-T6; B3Gn-T6; beta-1; beta3Gn-T6; BGnT-6

**Summary:** The protein encoded by this gene is a beta-1,3-N-acetylglucosaminyltransferase that adds an N-acetylglucosamine moiety to N-acetylgalactosamine-modified serine or threonine. The encoded enzyme is responsible for creating the core 3 structure of O-glycans, which are important components of mucin-type glycoproteins. [provided by RefSeq, Dec 2016]

**Protein Pathways:** Metabolic pathways, O-Glycan biosynthesis

### Product images:



Coomassie blue staining of purified B3GNT6 protein (Cat# [TP314024]). The protein was produced from HEK293T cells transfected with B3GNT6 cDNA clone (Cat# [RC214024]) using MegaTran 2.0 (Cat# [TT210002]).