

Product datasheet for **TP314024**

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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214024 protein sequence Red =Cloning site Green =Tags(s)

MAFPCRRSLTAKTLACLLVGVSFLLALQQWFLQAPRSPREERSPQEETPEGPTDAPAADEPPSELVPGPPC
VANASANATADFEQLPARIQDFLRHRHCRHFLLWDAPAKCAGGRGVFLLAVKSAPEHYERRELIRRTW
GQERSYGGRPVRRLLFGTPPEDEARAERLAELVALEAREHGDVLQWAFADTFNLTLKHLHLLDWLAA
RCPHARFLLSGDDDDVFHTANVVRFLQAQPPGRHLFSGQLMEGSVPIRDSWSKYFVPPQLFPGSAYPVYC
SGGGFLLSGPTARALRAAARHTLPIDDAYMGMCLERAGLAPSGHEGIRPFGVQLPGAQSSFDPCMYR
ELLLVHRFAPYEMLLMWKALHSPALSCDRGHRVS

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>NP_619651</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]).