

## Product datasheet for TP314024L

#### OriGene Technologies, Inc.

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### 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:

e >RC214024 protein sequenceRed=Cloning site Green=Tags(s)

MAFPCRRSLTAKTLACLLVGVSFLALQQWFLQAPRSPREERSPQEETPEGPTDAPAADEPPSELVPGPPC VANASANATADFEQLPARIQDFLRYRHCRHFPLLWDAPAKCAGGRGVFLLLAVKSAPEHYERRELIRRTW GQERSYGGRPVRRLFLLGTPGPEDEARAERLAELVALEAREHGDVLQWAFADTFLNLTLKHLHLLDWLAA RCPHARFLLSGDDDVFVHTANVVRFLQAQPPGRHLFSGQLMEGSVPIRDSWSKYFVPPQLFPGSAYPVYC SGGGFLLSGPTARALRAAARHTPLFPIDDAYMGMCLERAGLAPSGHEGIRPFGVQLPGAQQSSFDPCMYR

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:** NP 619651



#### B3GNT6 (NM\_138706) Human Recombinant Protein - TP314024L

**Locus ID:** 192134

UniProt ID: Q6ZMB0, A8K9Q8

RefSeq Size: 2560 Cytogenetics: 11q13.5 RefSeq ORF: 1152

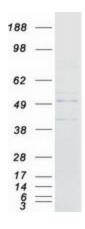
Synonyms: 3-Gn-T6; B3Gn-T6; beta-1; beta3Gn-T6; BGnT-6

**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]).