

Product datasheet for PH314024

OriGene Technologies, Inc.

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B3GNT6 (NM 138706) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: B3GNT6 MS Standard C13 and N15-labeled recombinant protein (NP_619651)

Species: Human Expression Host: HEK293

Expression cDNA Clone or AA Sequence:

RC214024

Predicted MW: 42.7 kDa

Protein Sequence: >RC214024 protein sequence

Red=Cloning site Green=Tags(s)

MAFPCRRSLTAKTLACLLVGVSFLALQQWFLQAPRSPREERSPQEETPEGPTDAPAADEPPSELVPGPPC VANASANATADFEQLPARIQDFLRYRHCRHFPLLWDAPAKCAGGRGVFLLLAVKSAPEHYERRELIRRTW GQERSYGGRPVRRLFLLGTPGPEDEARAERLAELVALEAREHGDVLQWAFADTFLNLTLKHLHLLDWLAA RCPHARFLLSGDDDVFVHTANVVRFLQAQPPGRHLFSGQLMEGSVPIRDSWSKYFVPPQLFPGSAYPVYC SGGGFLLSGPTARALRAAARHTPLFPIDDAYMGMCLERAGLAPSGHEGIRPFGVQLPGAQQSSFDPCMYR

ELLLVHRFAPYEMLLMWKALHSPALSCDRGHRVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: $>0.05 \mu g/\mu L$ as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 619651

RefSeq Size: 2560 RefSeq ORF: 1152

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

Locus ID: 192134





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UniProt ID: Q6ZMB0, A8K9Q8

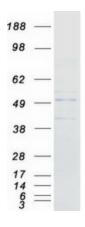
Cytogenetics: 11q13.5

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]).