

Product datasheet for PH314024

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)
	MAFPCRRSLTAKTLACLIVGVSFALQWFLQAPRSPREERSPEETPEGPTDAPAADEPPSELVPGPPC VANASANATADFEQLPARIQDFLRYRHCRRHFLLWDAPAKCAGGRGVFLLLAVKSAPEHYERREIRRWT GQERSYGGRPVRRLLGTPGPEDEARAERLAELVALEAREHGDVLQWAFADTFNLTLKHLHLLDWLAA RCPHARFLLSGDDDFVHTANVVRFLQAQPPGRHLFSGQLMEGSVIPRDSWSKYFVPPQLFPGSAYPVYC SGGGFLLSGPTARALRAAARHTPLFPIDDAYMGMLERAGLAPSGHEGIRPFQVQLPGAQQSSFDPFCMYR ELLLVHRFAPYEMLLMWKALHSPALSCDRGHRVS
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_619651</u>
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]).