

Product datasheet for PH306343

ALG1 (NM_019109) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ALG1 MS Standard C13 and N15-labeled recombinant protein (NP_061982)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206343
Predicted MW:	52.6 kDa
Protein Sequence:	>RC206343 protein sequence Red=Cloning site Green=Tags(s)

MAASCLVLLALCLLLPLLLLGGWKRWRRAARHVAVVLDVGRSPRMQYHALSLAMHGFSVTLLGFCN
SKPHDELLQNNRIQIVGLTELQSLAVGPRVFQYGVKVVLLQAMYLLWKLWREPGAYIFLQNPGLPSIAV
CWFVGCCLCGSKLVIDWHNYGYSIMGLVHGPNHPLVLLAKWYEKFFGRLSHLNL CVTNAMREDLADNWHIR
AVTVYDKPASFFKETPLDLQHRLFMKLGSMSHSPFRARSEPEDPVERTSAFTERDAGSGLVTRLRERPALL
VSSTSWTEDEDFSILLAALEKFEQLTLDGHNLP SLV CVITGKGPMREYYSRLIHQKHFIQVCTPWLEA
EDYPLLLGSADLGVCLHTSSSGLDLPKVVDMFGCCLPVC AVNFKCLHEL VKHEENGLVFEDSEELAAQL
QMLFSNFPDPAGKLNQFRKNLRESQQLRWDES WVRTVLPLVMDT

SGP TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_061982</u>
RefSeq Size:	3946
RefSeq ORF:	1392
Synonyms:	CDG1K; hMat-1; HMAT1; HMT-1; HMT1; Mat-1; MT-1



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Locus ID: 56052

UniProt ID: [Q9BT22](#)

Cytogenetics: 16p13.3

Summary: The enzyme encoded by this gene catalyzes the first mannosylation step in the biosynthesis of lipid-linked oligosaccharides. This gene is mutated in congenital disorder of glycosylation type Ik. [provided by RefSeq, Dec 2008]

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

Product images:



Coomassie blue staining of purified ALG1 protein (Cat# [TP306343]). The protein was produced from HEK293T cells transfected with ALG1 cDNA clone (Cat# [RC206343]) using MegaTran 2.0 (Cat# [TT210002]).