

Product datasheet for PH306171

POGLUT3 (NM_153705) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KDEL2 MS Standard C13 and N15-labeled recombinant protein (NP_714916)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206171
Predicted MW:	58.5 kDa
Protein Sequence:	>RC206171 protein sequence Red =Cloning site Green =Tags(s)

MRRLPRALLLQLRLALLVAAGAPEVLVSAPRSLVWGPGQAQAVVLPVRYFYLAQVNSEGQNLTRSPAGET
 PFKVVVKSLSPKELVRIHVPKPLDRNDGTFMRYRMYETVDEGLKIEVLVGDEHVAQSPYILKGPVYHEY
 CECPEDPQAWQKTLSCPTKEPQIAKDFASFPSINLQQMLKEVPKRFGDERGAIVHYTILNNHVYRRSLGK
 YTDKMFSDIILLSLTRKVLLPDLEFYVNLGDWPLEHRKVNGTPSPIPIISWCGSLDSRDVVLPTYDITH
 SMLEAMRGVTNDLLSIQNGTGPSWINKTERAFFRGRDSLEERLQLVQLSKENPQLLDAGITGYFFFQKEKE
 KELGKAKLMGFFDFFKYKYQVNVDTVAAYRYPYMLGDSLVLKQDSPYYEHFYMALEPWKHYVPIKRNLS
 DDLLEKVKWAKENDEEAKKIAKEGQLMARDLLQPHRLCYYYYQVLQKYAERQSSKPEVRDGMELVPQPED
 STAICQCHRKKPSREEL

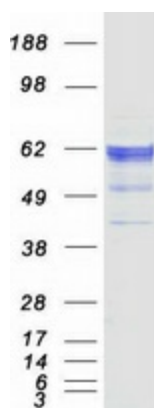
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_714916</u>
RefSeq Size:	4311
RefSeq ORF:	1521


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Synonyms:	KDELC2
Locus ID:	143888
UniProt ID:	Q7Z4H8 , A0A024R3C4
Cytogenetics:	11q22.3
Summary:	Protein glucosyltransferase that catalyzes the transfer of glucose from UDP-glucose to a serine residue within the consensus sequence peptide C-X-N-T-X-G-S-F-X-C (PubMed:30127001). Can also catalyze the transfer of xylose from UDP-xylose but less efficiently (PubMed:30127001). Specifically targets extracellular EGF repeats of proteins such as NOTCH1 and NOTCH3 (PubMed:30127001). May regulate the transport of NOTCH1 and NOTCH3 to the plasma membrane and thereby the Notch signaling pathway (PubMed:30127001).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified POGLUT3 protein (Cat# [TP306171]). The protein was produced from HEK293T cells transfected with POGLUT3 cDNA clone (Cat# [RC206171]) using MegaTran 2.0 (Cat# [TT210002]).