

Product datasheet for PH303494

UAP1 (NM_003115) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UAP1 MS Standard C13 and N15-labeled recombinant protein (NP_003106)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203494
Predicted MW:	57.1 kDa
Protein Sequence:	>RC203494 protein sequence Red=Cloning site Green=Tags(s)

MNINDLKLTLKAGQEHLLRFWNELEEAQQVELY AELQAMNFEELNFFFQKAIIEGFNQSSYQKNVDARME
PVPREVLGSATRDQDLQAWSEGLFQISQNKVAVLLLAGGQGTRLGVAYPKGMYDVGLPSRKTLFQIQ
ERILKLQQAKEYYGNKCIIPWYIMTSGRMESTKEFFTKHKYFGLKKENVIFFQQGMLPAMSF
EEKNKVS MAPDGNGLYRALAAQNI VEDMEQRGIWSIHVYCVDNILVKVADPRFIGFCIQK
GADCGAKVVEKTNPTEPVGVCRVDGVYQVVEYSEISLATAQKRSSDGRLLFNAGNIANHFF
TVPFLRDVVNVYEPQLQHHVAQKKIPYVDTQGQLIKPDKPNGIKMEKFVFDIFQF
AKKFVVYEVLEDEF SPLKNADSQNGKDNPTTARHALMSLHHCWV
LNAGGHFIDENGSR LPAIPRLKDANDVPIQCEISPLISYAGEGLESYVADKEFHAPL
IIDENGVHELKNGI

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- 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:	<u>NP_003106</u>
RefSeq Size:	2344
RefSeq ORF:	1515



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Synonyms: AGX; AGX1; AGX2; SPAG2

Locus ID: 6675

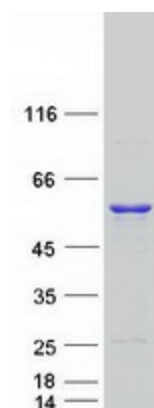
UniProt ID: [Q16222](#), [A0A140VKC0](#)

Cytogenetics: 1q23.3

Summary: Converts UTP and GlcNAc-1-P into UDP-GlcNAc, and UTP and GalNAc-1-P into UDP-GalNAc. Isoform AGX1 has 2 to 3 times higher activity towards GalNAc-1-P, while isoform AGX2 has 8 times more activity towards GlcNAc-1-P.[UniProtKB/Swiss-Prot Function]

Protein Pathways: Amino sugar and nucleotide sugar metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified UAP1 protein (Cat# [TP303494]). The protein was produced from HEK293T cells transfected with UAP1 cDNA clone (Cat# [RC203494]) using MegaTran 2.0 (Cat# [TT210002]).