

Product datasheet for **TP303494M**

UAP1 (NM_003115) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human UDP-N-acteylglucosamine pyrophosphorylase 1 (UAP1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203494 protein sequence Red =Cloning site Green =Tags(s)

MNINDLKLTLKAGQEHLRFWNELEEAQQVELYAEQAMNFEELNFFFQKAIEGFNQSSYQKNVDARME
PVPREVLGSATRDQDQLQAWESEGLFQISQNKVAVLLLAGGQGTRLGVAYPKGMYDVGLPSRKTFLQIQ
ERILKLQQVAEKYYGNKCIIPWYIMTSGRTMESTKEFFTKHKYFGLKKENVIFFQQGMLPAMSF
DGKIIL
EEKNKVSMAPDNGGLYRALAAQNIVEDMEQRGIWSIHVYCVDNILVKVADPRFIGFCIQKGADCGAKV
V
EKTNPTEPVGWVCRVDGVYQWEYSEISLATAQKRSSDGRLLFNAGNIANHFFTVPFLRDVWVYEPQLQ
HHVAQKKIPYVDTQGQLIKPKNGIKMEKVFVDFIQFAKKFVVEVLREDEFSPKLNADSQNGKDNPTT
ARHALMSLHHCWVLNAGGHFIDENGSRPAIPRLKDANDVPIQCEISPLISYAGEGLESYVADKEFHAPL
IIDENGVELVKNGI

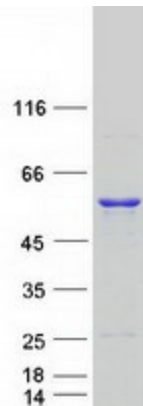
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	56.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003106
Locus ID:	6675
UniProt ID:	Q16222 , A0A140VKC0
RefSeq Size:	2344
Cytogenetics:	1q23.3
RefSeq ORF:	1515
Synonyms:	AGX; AGX1; AGX2; SPAG2
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]).