

Recombinant Human UAP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. UAP1-2664H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UAP1 MS Standard C13 and N15-labeled recombinant protein (NP_003106) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	57.1 kDa
AA Sequence	MNINDLKLTLKAGQEHLRWFNELEEAQQVELYAEQAMNFEELNFFFQKAIEGFN QSSYQKNVDARMEPVPREVLGSATRDQDQLQAWSEGLFQISQNKVAVLLLAGGQ GTRLGVAYPKGMYDVGLPSRKTLFQIQAEIRILKLQQVAEKYYGNKCIIPWYIMTSGRT MESTKEFFTKHKYFGLKKENVIFFQQGMLPAMSFDGKIILEEKNKVSMAPDGNGGLY RALAAQNIVEDMEQRGWSIHVYCVDNILVKVADPRFIGFCIQKGADCGAKVVEKTNP TEPVGVVCRVDGVYQVVEYSEISLATAQKRSSDGRLLFNAGNIANHFFTVPFRLRDVV NVYEPQLQHHVAQKKIPYVDTQGQLIKPDKPNGIKMEKFVFDIFQFAKKFVVVEVLRE DEFSPLKNADSQNGKDNPTTARHALMSLHHCWVLNAGGHFIDENGSRIPAIPRLKD ANDVPIQCEISPLISYAGEGLESYVADKEFHAPLIIDENGVHELKNGITRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

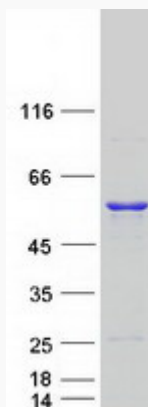
GENE INFORMATION

Gene Name	UAP1 UDP-N-acetylglucosamine pyrophosphorylase 1 [Homo sapiens (human)]
Official Symbol	UAP1
Synonyms	UAP1; UDP-N-acetylglucosamine pyrophosphorylase 1; SPAG2; UDP-N-acetylhexosamine pyrophosphorylase; AgX; AGX1; antigen X; sperm associated antigen 2; sperm-associated antigen 2; AGX; AGX2;
Gene ID	6675
mRNA Refseq	NM_003115
Protein Refseq	NP_003106
MIM	602862
UniProt ID	Q16222

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SDS-PAGE

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