

Recombinant Human UAP1 Protein (1-522 aa), His-tagged

Cat. No. UAP1-2162H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UAP1 Protein (1-522 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length.
Species	Human
Source	Yeast
ProteinLength	1-522 aa
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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	60.8 kDa
AA Sequence	MNINDLKLTLKAGQEHLRWFNELEEAQQVELYAELQAMNFEELNFFFQKAIEGFN QSSHQKNVDARMEPVPREVLGSATRDQDQLQAWESEGLFQISQNKVAVLLLAGGQ GTRLGVAYPKGMYDVGLPSRKTLFQIQAEIRILKLQQVAEKYYGNKCIIPWYIMTSGRT MESTKEFFTKHKYFGLKKENVIFFQQGMLPAMSFQDKIILEEKNKVSMAPDGNNGGLY RALAAQNIVEDMEQRGIWSIHVYCVDNILVKVADPRFIGFCIQKGADCGAKVVEKTNP TEPVGVVCRVDGVYQVVEYSEISLATAQKRSSDGRLLFNAGNIANHFFTVPFRLRDVV NVYEPQLQHHVAQKKIPYVDTQGGQLIKPDKPNGIKMEKFVFDIFQFAKKFVVYEVLRE

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	DEFSPKLNADSQNGKDNPTTARHALMSLHHCWVLNAGGHFIDENGSRIPAIPRSAT NGKSETITADVNHNLKDANDVPIQCEISPLISYAGEGLESYVADKEFHAPLIIDENG ELVKNGI
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

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

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UniProt ID

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