

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

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>ProteinLength</b>	1-522 aa
<b>Description</b>	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.
<b>Form</b>	Tris-based buffer, 50% glycerol
<b>Molecular Mass</b>	60.8 kDa
<b>AA Sequence</b>	MNINDLKLTLKAGQEHLRFWNELEEAQQVELYAELQAMNFEELNFFFQKAIEGFN QSSHQKNVDARMEPVPREVLGSATRDQDQLQAWESEGLFQISQNKVAVLLLAGGQ GTRLGVAYPKGMYDVGLPSRKTFLQIQAERILKLQQVAEKYYGNKCIIPWYIMTSGRT MESTKEFFTKHKYFGLKKENVIFFQQGMLPAMSFQDKIILEEKNKVSMAPDGNNGGLY RALAAQNIVEDMEQRGIWSIHVYCVDNILVKVADPRFIGFCIQKGADCGAKVVEKTNP TEPVGVVCRVDGVYQVVEYSEISLATAQKRSSDGROLLFNAGNIANHFFTVPFLRDVV NVYEPQLQHHVAQKKIPYVDTQGQLIKPDKPNGIKMEKFVFDIFQFAKKFVVYEVLRE

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DEFSPKLNADSQNGKDNPTTARHALMSLHHCWVLNAGGHFIDENGSRPAPRSAT  
 NGKSETITADVNHNLKDANDVPIQCEISPLISYAGEGLESYVADKEFHAPLIIDENGVH  
 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

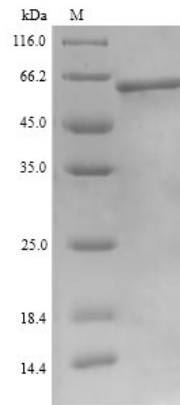
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UniProt ID

Q16222



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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