

# 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

MNINDLKLTLKAGQEHLRWFNELEEAQQVELYAELQAMNFEELNFFFQKAIEGFN  
 QSSYQKNVDARMEPVPREVLGSATRDQDQLQAWESEGLFQISQNKVAVLLLAGGQ  
 GTRLGVAYPKGMYDVGLPSRKTLFQIQAEIRILKLQQVAEKYYGNKCIIPWYIMTSGRT  
 MESTKEFFTKHKYFGLKKENVIFFQQGMLPAMSFDGKIILEEKNKVS MAPDGNGGLY  
 RALAAQNIVEDMEQRGIWSIHVYCVDNILVKVADPRFIGFCIQKGADCGAKVVEKTNP  
 TEPVGVVCRVDGVYQVVEYSEISLATAQKRSSDGRLLFNAGNIANHFFTVPFLRDVV  
 NVYEPQLQHHVAQKKIPYVDTQGQLIKPDKPNGIKMEKFVFDIFQFAKKFVVYEVLRE  
 DEFSPLKNADSQNGKDNPTTARHALMSLHHCWVLNAGGHFIDENGSR LPAIPRLKD  
 ANDVPIQCEISPLISYAGEGLESYVADKEFHAPLIIDENG VHELKNGITRTRPLEQKLI  
 SEEDLAANDILDYKDDDDKV

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

<b>Gene Name</b>	UAP1 UDP-N-acetylglucosamine pyrophosphorylase 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	UAP1
<b>Synonyms</b>	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;
<b>Gene ID</b>	6675
<b>mRNA Refseq</b>	NM_003115
<b>Protein Refseq</b>	NP_003106
<b>MIM</b>	602862
<b>UniProt ID</b>	Q16222

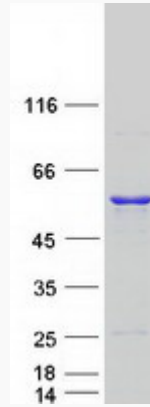
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**SDS-PAGE**



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