

## Recombinant Mouse Uap1 Protein, MYC/DDK-tagged

**Cat. No.** Uap1-337M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse UDP-N-acetylglucosamine pyrophosphorylase 1 (Uap1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<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>Molecular Mass</b>	58.9 kDa
<b>Purity</b>	>80%, as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

<b>Gene Name</b>	Uap1 UDP-N-acetylglucosamine pyrophosphorylase 1 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Uap1
<b>Synonyms</b>	Uap1; UDP-N-acetylglucosamine pyrophosphorylase 1; AgX; AGX1; AGX-1; AGX-2; SPAG2; ESTM38; AA420407; AA437972; UDP-N-acetylhexosamine pyrophosphorylase; antigen X; sperm associated antigen 2; EC 2.7.7.23; EC 2.7.7.83
<b>Gene ID</b>	107652
<b>mRNA Refseq</b>	NM_133806
<b>Protein Refseq</b>	NP_598567
<b>UniProt ID</b>	Q91YN5

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