

Recombinant Mouse Uap1 Protein, MYC/DDK-tagged

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

SPECIFICATION

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

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GENE INFORMATION

Gene Name	Uap1 UDP-N-acetylglucosamine pyrophosphorylase 1 [Mus musculus (house mouse)]
Official Symbol	Uap1
Synonyms	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
Gene ID	107652
mRNA Refseq	NM_133806
Protein Refseq	NP_598567
UniProt ID	Q91YN5

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