

## 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

|                 |                                                                                                                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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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