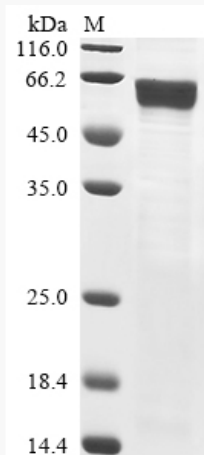


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**Datasheet**

<b>Product Name</b>	Recombinant Human UDP-N-acetylhexosamine pyrophosphorylase(UAP1)
<b>Catalog Number</b>	AAA18734
<b>Expression host</b>	<i>E.coli</i>
<b>Product Info</b>	N-terminal 6xHis-tagged
<b>Buffer</b>	Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0. The volume before lyophilization is 1000μl/vial , 3vials.
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Relevance</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>AA sequence</b>	MNINDLKLTLKAGQEHLRFWNELEEAQQVELYAELQAMNFEELNFFFQKAI EGFNQSSHQKNVDARMEPVPREVLGSATRDQDQLQAWESGLFQISQNKVAVL LLAGGQGTRLGVAYPKGMYDVGLPSRKTLFQIQAERILKLQQVAEKYYGNKCII PWYIMTSGRTMESTKEFFTKHKYFGLKKENVIFFQQGMLPAMSFDGKIILEEKN KVSMAPDGNNGGLYRALAAQNIVEDMEQRGIWVSIHVYCVDNILVKVADPRFIGF CIQKGADCGAKVVEKTNPTPEVGVVCRVDGVYQVVEYSEISLATAQKRSSDGR LLFNAGNIANHFFTVPFLRDVVNVYEPQLQHHVAQKKIPYVDTQGGQLIKPDKPN GIKMEKFVFDIFQFAKKFVVYEVLRDEFSPKLNADSQNGKDNPTTARHALMSL HHCWVLNAGGHFIDENGSRPAPRSATNGKSETITADVNHNLKDANDVPIQCE ISPLISYAGEGLESYVADKEFHAPLIIDENGVELVKNGI
<b>References</b>	"An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome." Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H. J. Proteomics 96:253-262(2014)

**Certificate of Analysis**

Product Name	Recombinant Human UDP-N-acetylhexosamine pyrophosphorylase(UAP1)		
Catalog Number	AAA18734		
Expression host	E.coli		
Product Info	N-terminal 6xHis-tagged		
Buffer	Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0. The volume before lyophilization is 1000μl/vial , 3vials.		
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.		
Batch Number	DA05022b1g0		
Nature	Human UAP1-(AA1-522)-Q16222-Full Length		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt	
	Long term	-20 to -80 °C, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2023.07.10		
Test Items	Specifications		Results
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		91%
Molecular Weight	Predicted band size: 61.9 kDa		Observed band size: 62 kDa

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<b>Electrophoretic parameters</b>	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
<b>Aseptic Processing</b>	Not done
<b>Endotoxin Level</b>	Untreated
<b>Activity</b>	Not tested
<b>Conclusion</b>	pass