

Recombinant Full Length Human UAP1 Protein, C-Flag-tagged

Cat. No. UAP1-1407HFL Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Human UAP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.

Species Human

Source Mammalian Cells

Description Enables identical protein binding activity. Predicted to be involved in UDP-N-acetylglucosamine biosynthetic process. Located in cytosol; nucleoplasm; and plasma membrane.

Form 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Molecular Mass 56.8 kDa

AA Sequence

MNINDLKLTLKAGQEHLRWFNELEEAQQVELYAELQAMNFEELNFFFQKAIEGFN
 QSSYQKNVDARME PVPREVLGSATR DQDQLQAWESEGLFQISQNKVAVLLLAGGQ
 GTRLGVAYPKGMYDVGLPSRKT L FQIQA ERILKLQQVAEKYYGNKCIIPWYIMTSGR
 TMESTKEFFTKHKYFGLKKENVIFFQQGMLPAMSF DGK IIL EEKNKVS MAPDGNNG
 LYRALAAQNIVEDMEQRGIWSIHVYCVDN ILVKVADPRFIGFCIQKGADCGAKVV EK
 TNPTEPVGVVCRVDGVYQVVEYSEISLATAQKRSSDGRLLFNAGNIANHFFTVPFLR
 DVVNVYEPQLQ HHVAQKKIPYVDTQGGQLIKPDKPNGIKMEKFVFDIFQFAKKFVVYE
 VLREDEF SPLKNADSQNGKDNPTT ARHALMSLHHCWVLNAGGGHFIDENGSR LPAIP
 RLKDANDVPIQCEISPLISYAGEGLESYVADKEFHAPL
 IIDENGVHELKNGITRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Amino sugar and nucleotide sugar metabolism, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	UAP1 UDP-N-acetylglucosamine pyrophosphorylase 1 [Homo sapiens (human)]
Official Symbol	UAP1
Synonyms	AGX; AGX1; AGX2; SPAG2
Gene ID	6675
mRNA Refseq	NM_003115.6
Protein Refseq	NP_003106.3
MIM	602862

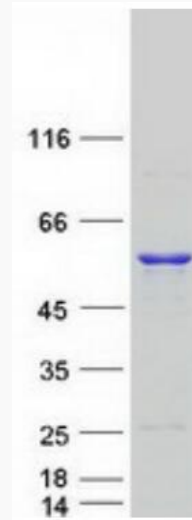
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UniProt ID

A0A140VKC0



Coomassie blue staining of purified UAP1 protein.

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