

Product datasheet for PH305030

UPRT (NM_145052) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UPRT MS Standard C13 and N15-labeled recombinant protein (NP_659489)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205030
Predicted MW:	33.8 kDa
Protein Sequence:	>RC205030 protein sequence Red=Cloning site Green=Tags(s) MATELQCPD SMPCHNQVNSASTPSPEQLRPGDLILDHAGGNRASRAKVILLTGYAHSSLP AELDSGACG GSSLNSEGNSGSGDSSSYDAPAGNSFLEDCELSRQIGAQLKLLPMNDQIRELQTIIRDKTASRGDFM FSA DRLIRLVVEEGLNQLPYKECMVTTPTGKYEGVKFEKGNCGV SIMRSGEAMEQGLRDCCRSIRIGKILIQ SDEETQRAKVYYAKFPPIYRRKVLLMYPILSTGNTVIEAVKVL IEHGVQPSVILLSLFSTPHGAKSII QEFPEITILTTEVHPVAPTHFGQKYFGTD TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_659489
RefSeq Size:	2512
RefSeq ORF:	927
Synonyms:	FUR1; UPP
Locus ID:	139596



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UniProt ID: [Q96BW1](#), [A8KAF9](#)

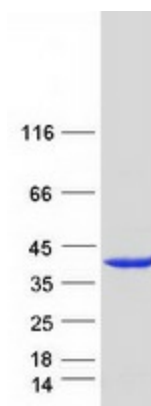
Cytogenetics: Xq13.3

Summary: This gene encodes uracil phosphoribosyltransferase, which catalyzes the conversion of uracil and 5-phosphoribosyl-1-R-diphosphate to uridine monophosphate (UMP). This reaction is an important part of nucleotide metabolism, specifically the pyrimidine salvage pathway. The enzyme localizes to the nucleus and cytoplasm. The protein is a potential target for rational design of drugs to treat parasitic infections and cancer. [provided by RefSeq, Nov 2009]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Pyrimidine metabolism

Product images:



Coomassie blue staining of purified UPRT protein (Cat# [TP305030]). The protein was produced from HEK293T cells transfected with UPRT cDNA clone (Cat# [RC205030]) using MegaTran 2.0 (Cat# [TT210002]).