

Product datasheet for PH302790

UBL5 (NM_024292) Human Mass Spec Standard

Product data:

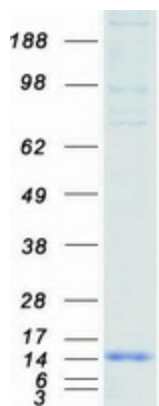
Product Type:	Mass Spec Standards
Description:	UBL5 MS Standard C13 and N15-labeled recombinant protein (NP_077268)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202790
Predicted MW:	8.5 kDa
Protein Sequence:	>RC202790 protein sequence Red=Cloning site Green=Tags(s) MIEVVCNDRLGKKVRVKCNTDDTIGDLKKLIAAQTGRWNKIVLKKWYTIKFDHVS LGDYEIHDGMNLEL YYQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_077268
RefSeq Size:	537
RefSeq ORF:	219
Synonyms:	HUB1
Locus ID:	59286
UniProt ID:	Q9BZL1 , A0A024R7B0
Cytogenetics:	19p13.2



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Summary:

This gene encodes a member of a group of proteins similar to ubiquitin. The encoded protein is not thought to degrade proteins like ubiquitin but to affect their function through being bound to target proteins by an isopeptide bond. The gene product has been studied as a link to predisposition to obesity based on its expression in *Psammomys obesus*, the fat sand rat, which is an animal model for obesity studies. Variation in this gene was found to be significantly associated with some metabolic traits (PMID: 15331561) but not associated with childhood obesity (PMID: 19189687). Pseudogenes of this gene are located on chromosomes 3, 5 and 17. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2013]

Product images:

Coomassie blue staining of purified UBL5 protein (Cat# [TP302790]). The protein was produced from HEK293T cells transfected with UBL5 cDNA clone (Cat# [RC202790]) using MegaTran 2.0 (Cat# [TT210002]).