

## Product datasheet for PH321828

### UPF3B (NM\_023010) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	UPF3B MS Standard C13 and N15-labeled recombinant protein (NP_075386)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221828
Predicted MW:	56.2 kDa
Protein Sequence:	>RC221828 protein sequence Red=Cloning site Green=Tags(s)  MKEEKEHRPKEKRVTLTPAGATGSGGGTSGDSSKGEDKQDRNKEKKEALSKVVIRRLPPTLTKEQLQEH LQPMPEHDYFEFFSNDTSLYPHYARAYINFKNQEDIILFRDRFDGYVFLDNKGQEYPAIVEFAPFQKAA KKKTKKRDTKVGITDDPEYRKFLSYATDNEKMTSTPETLLEEIEAKNRELI AKKTTPLLSFLKNKQRM REEKREERRRREIERKQREEERRKWKKEEKRRKDIEKLLKIDRIPERDKLKDEPKIKLLKPEKGDEK ELDKREKAKKLDKENLSDERASGQSCTLPKRSDSELKDEKPKRPEDESGRDYREREREYERDQEHLRER ERLKRQEEERRRQKERYEKEKTFKRKEEEMKKEKDTLRDKGKKAESTESIGSSEKTEKKEEVVVRDRIRN KDRPAMQLYQPGARSRNRLCPPDDSTKSGDSAAERKQESGISHRKEGEE  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- 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:	<u><a href="#">NP_075386</a></u>
RefSeq Size:	2365
RefSeq ORF:	1410
Synonyms:	HUPF3B; MRX62; MRX82; MRXS14; RENT3B; UPF3BP1; UPF3BP2; UPF3BP3; Upf3p-X; UPF3X



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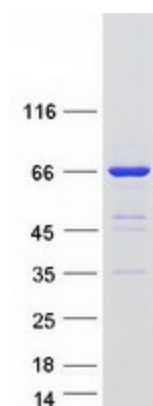
Locus ID: 65109

UniProt ID: [Q9BZ17](#)

Cytogenetics: Xq24

**Summary:** This gene encodes a protein that is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. The encoded protein is one of two functional homologs to yeast Upf3p. mRNA surveillance detects exported mRNAs with truncated open reading frames and initiates nonsense-mediated mRNA decay (NMD). When translation ends upstream from the last exon-exon junction, this triggers NMD to degrade mRNAs containing premature stop codons. This protein binds to the mRNA and remains bound after nuclear export, acting as a nucleocytoplasmic shuttling protein. It forms with Y14 a complex that binds specifically 20 nt upstream of exon-exon junctions. This gene is located on the long arm of chromosome X. Two splice variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified UPF3B protein (Cat# [TP321828]). The protein was produced from HEK293T cells transfected with UPF3B cDNA clone (Cat# [RC221828]) using MegaTran 2.0 (Cat# [TT210002]).