

Product datasheet for PH307711

FAU (NM_001997) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FAU MS Standard C13 and N15-labeled recombinant protein (NP_001988)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207711
Predicted MW:	14.2 kDa
Protein Sequence:	>RC207711 representing NM_001997 Red=Cloning site Green=Tags(s) MQLFVRAQELHTFEVTGQETVAQIKAHVASLEGIAPEDQVVLLAGAPLEDEATLGQCGVEALTTLEVAGR MLGGKVHGSGLARAGKVRGQTPKVAKQEKKKKTKRAKRRMQYNNRVVPTFGKKKGPNANS 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_001988
RefSeq Size:	570
RefSeq ORF:	399
Synonyms:	asr1; FAU1; Fub1; Fubi; MNSFbeta; RPS30; S30
Locus ID:	2197
UniProt ID:	P35544
Cytogenetics:	11q13.1



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Summary:

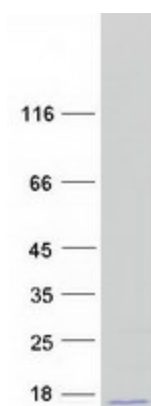
This gene is the cellular homolog of the fox sequence in the Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV). It encodes a fusion protein consisting of the ubiquitin-like protein fubi at the N terminus and ribosomal protein S30 at the C terminus. It has been proposed that the fusion protein is post-translationally processed to generate free fubi and free ribosomal protein S30. Fubi is a member of the ubiquitin family, and ribosomal protein S30 belongs to the S30E family of ribosomal proteins. Whereas the function of fubi is currently unknown, ribosomal protein S30 is a component of the 40S subunit of the cytoplasmic ribosome and displays antimicrobial activity. Pseudogenes derived from this gene are present in the genome. Similar to ribosomal protein S30, ribosomal proteins S27a and L40 are synthesized as fusion proteins with ubiquitin. [provided by RefSeq, Nov 2014]

Protein Families:

Druggable Genome

Protein Pathways:

Ribosome

Product images:

Coomassie blue staining of purified FAU protein (Cat# [TP307711]). The protein was produced from HEK293T cells transfected with FAU cDNA clone (Cat# [RC207711]) using MegaTran 2.0 (Cat# [TT210002]).