

Product datasheet for PH301808

FUS (NM_004960) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FUS MS Standard C13 and N15-labeled recombinant protein (NP_004951)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201808
Predicted MW:	53.4 kDa
Protein Sequence:	>RC201808 protein sequence Red=Cloning site Green=Tags(s)
	MASNDYTQQATQSYGAYPTQPGQYSQQSSQPYGQQSYSGYSQSTDTSGYGQSSYSSYGQSQNTGYGTQS TPQGYGSTGGYGSSQSSQSSYGGQSSYPGYGQQPAPSSTSGSYGSSQSSSYGQPQSGSYSQPSYGGQQ QSYGQQQSYNPPQGYGQQNQYNSSSGGGGGGGGNYGQDQSSMSSGGGSGGGYGNQDQSGGGGSGGYGQ QDRGGRGRGGSGGGGGGGGGYNRSSGGYEPRGRGGGRGGMGGSDRGGFNKFGGPRDQGSRHDSQD NSDNNTIFVQGLGENVTIESVADYFKQIGI IKTNKKTGQPMINL YTDRETGKLGKGEATVSFDDPPSAKAA IDWFDGKEFSGNPIKVSFATRRADFNRRGGNGRGGRRGGPMGRGGYGGGGSGGGRRGGFSGGGGGGGQ QRAGDWKCPNPTCENMNF SWRNECNQCKAPKPDGPGGGPGGSHMGNGYDDRRGGRRGGYDRGGYRGRGGD RGGFRGGRRGGDRGGFGPKMDSRGEHRQDRRERPY
	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:	NP_004951
RefSeq Size:	5119
RefSeq ORF:	1578



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Synonyms: ALS6; altFUS; ETM4; FUS1; HNRNPP2; POMP75; TLS

Locus ID: 2521

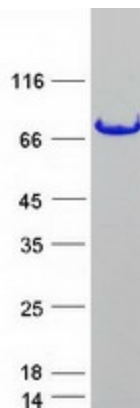
UniProt ID: [P35637](#), [Q6IBQ5](#)

Cytogenetics: 16p11.2

Summary: This gene encodes a multifunctional protein component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complex. The hnRNP complex is involved in pre-mRNA splicing and the export of fully processed mRNA to the cytoplasm. This protein belongs to the FET family of RNA-binding proteins which have been implicated in cellular processes that include regulation of gene expression, maintenance of genomic integrity and mRNA/microRNA processing. Alternative splicing results in multiple transcript variants. Defects in this gene result in amyotrophic lateral sclerosis type 6. [provided by RefSeq, Sep 2009]

Protein Families: Druggable Genome, Stem cell - Pluripotency

Product images:



Coomassie blue staining of purified FUS protein (Cat# [TP301808]). The protein was produced from HEK293T cells transfected with FUS cDNA clone (Cat# [RC201808]) using MegaTran 2.0 (Cat# [TT210002]).