

Recombinant Full Length Human FUS Protein, N-His-tagged

Cat. No. FUS-12HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FUS Protein, fused to His-tag at N-terminus, was expressed in HEK293T.
Species	Human
Source	E.coli
ProteinLength	Ala2-Tyr526
Description	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.
Form	Liquid
Molecular Mass	60 kDa
Purity	>95%
Applications	Functional Assay, Protein-protein Interaction, Post-translational Modifications, ELISA,

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EIA, Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, etc.

Storage

Upon arrival, the protein may be stored for 2 weeks at 4 centigrade. For long term storage, it is recommended to store at -20 centigrade or -80 centigrade in appropriate aliquots. Avoid repeated freeze-thaw cycles.

Concentration

Lot specific (see the label on the vial), determined by Bradford protein assay.

Storage Buffer

Filtered solution in 15 mM Na₂HPO₄ (pH 7.5), 5 mM NaH₂PO₄, 0.5 M NaCl, 40 mM imidazole, 6 M urea.

Shipping

Ice packs

Related Research Areas

Cancer

GENE INFORMATION

Gene Name

FUS FUS RNA binding protein [Homo sapiens (human)]

Official Symbol

FUS

Synonyms

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

Gene ID

2521

mRNA Refseq

NM_004960.4

Protein Refseq

NP_004951.1

MIM

137070

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UniProt ID	P35637
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SDS-PAGE	SDS-PAGE under reducing conditions and visualized by Coomassie blue staining.
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