

Recombinant Full Length Human FUS Protein, GST-tagged

Cat. No. FUS-5159HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FUS full-length ORF (1 a.a. - 525 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	525 amino acids
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. [provided by RefSeq]
Molecular Mass	79.7 kDa
AA Sequence	MASNDYTQQATQSYGAYPTQPGQGYSQQSSQPYGQQSYSGYSQSTDTSGYGQS SYSSYGQSQNSYGTQSTPQGYGSTGGYGSSQSSQSSYGQQSSYPGYGQQPAPS STSGSYGSSSQSSSYGQPQSGSYSQQPSYGGQQQSYGQQQSYNPPQGYGQQN QYNSSSGGGGGGGGGGNYGQDQSSMSSGGGSGGGYGNQDQSGGGGSGGYGQ QDRGGRGRGGSGGGGGGGGGGYNRSSGGYEPRGRGGGRGGRMGGSDRG

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GFNKFGGPRDQGSRDSEQDSDNNTIFVQGLGENVTIESVADYFKQIGIIKTNKKT
 GQPMINLYTDRETGKLKGEATVSFDDPPSAKAAIDWFDGKEFSGNPIKVSFATRRAD
 FNRGGGNGRGGGRGRGGPMGRGGYGGGGSGGGGRGGFPSSGGGGGGGQQRAG
 DWKCPNPTCENMNFSWRNECNQCKAPKPDGPGGGPGGSHMGGNYGDDRRGGR
 GGYDRGGYRGRGGDRGGFRGGRGGGDRGGFGPGKMDSRGEHRQDRRERPY

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

FUS fused in sarcoma [Homo sapiens]

Official Symbol

FUS

Synonyms

FUS; fused in sarcoma; ALS6, amyotrophic lateral sclerosis 6, fusion (involved in t(12;16) in malignant liposarcoma), fusion, derived from t(12;16) malignant liposarcoma; RNA-binding protein FUS; FUS1; heterogeneous nuclear ribonucleoprotein P2; hnRNP P2; TLS; translocated in liposarcoma; oncogene FUS; oncogene TLS; fus-like protein; 75 kDa DNA-pairing protein; fusion gene in myxoid liposarcoma; translocated in liposarcoma protein; ALS6; POMP75; HNRNPP2;

Gene ID

2521

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mRNA Refseq	NM_001170634
Protein Refseq	NP_001164105
MIM	137070
UniProt ID	P35637

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