



Human FUS peptide (DAG-P1960)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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, Sep 2009]
Specificity	Ubiquitous.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the RRM TET family.Contains 1 RanBP2-type zinc finger.Contains 1 RRM (RNA recognition motif) domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	FUS fused in sarcoma [Homo sapiens (human)]
Official Symbol	FUS
Synonyms	FUS; fused in sarcoma; TLS; ALS6; ETM4; FUS1; POMP75; HNRNPP2; RNA-binding protein FUS; oncogene FUS; oncogene TLS; fus-like protein; 75 kDa DNA-pairing protein; fusion gene in myxoid liposarcoma; translocated in liposarcoma protein; heterogeneous nuclear

ribonucleoprotein P2;

Entrez Gene ID	2521
mRNA Refseq	NM_001170634.1
Protein Refseq	NP_001164105.1
UniProt ID	P35637
Chromosome Location	16p11.2
Pathway	Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem; mRNA Splicing, organism-specific biosystem; mRNA Splicing - Major Pathway, organism-specific biosystem; mRNA processing, organism-specific biosystem;
Function	DNA binding; RNA binding; identical protein binding; nucleotide binding; poly(A) RNA binding; protein binding; zinc ion binding;