

Product datasheet for TP508306

Fus (NM_139149) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse fused in sarcoma (Fus), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression: HEK293T

Host:

Expression: >MR208306 representing NM_139149

cDNA Clone or AA Sequence: Red=Cloning site Green=Tags(s)

MASNDYTQQATQSYGAYPTQPGQGYSQQSSQPYGQQSYSGYGQSADTSYGQSSYGSYGTQNTGYGTQ
SAPQGYGSTGGYGSSQSSQSSYQQSSYPGYQQPAPSSTSGSYGGSSQSSYQPPQSGGYGQQSGYGGQ
QQSYGQQSSYNPPQGYGQQNQYNSSSGGGGGGGGGNYGQDQSSMSGGGGGGGYGNQDQSGGGGGGGYGGG
QQDRGGRGRGGGGYNRSSGGYEPGRGGGRGGRMGGSDRGGFNKFGGPRDQSRHDSEQDNSDNNTI
FVQQLGENVTIESVADYFKQIGIIKTNKKTGQPMINLYTDRETGKLKGEATVSFDDPPSAKAAIDWFDGK
EFGSNPIKVSFATRRADFNRGGGNGRGGRGGGPMGRGGYGGGGSGGGGRGGFSPGGGGGGGQQRAGDWK
CPNPTCENMNFWRNECNQCKAPKPDGPGGGPGGSHMGGNYGDDRRRGRGGYDRGGYRGRGGDRGGFRGGR
GGGDRGGFGPGKMDSRGEHRQDRRERPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 53.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

RefSeq: [NP_631888](#)

Locus ID: 233908

UniProt ID: [P56959](#), [Q564D0](#), [Q3USY4](#)

RefSeq Size: 1845

Cytogenetics: 7 F3

RefSeq ORF: 1554

Synonyms: D430004D17Rik; D930039C12Rik; Fus1; Tls

Summary: DNA/RNA-binding protein that plays a role in various cellular processes such as transcription regulation, RNA splicing, RNA transport, DNA repair and damage response. Binds to nascent pre-mRNAs and acts as a molecular mediator between RNA polymerase II and U1 small nuclear ribonucleoprotein thereby coupling transcription and splicing. Binds also its own pre-mRNA and autoregulates its expression; this autoregulation mechanism is mediated by non-sense-mediated decay. Plays a role in DNA repair mechanisms by promoting D-loop formation and homologous recombination during DNA double-strand break repair (By similarity). In neuronal cells, plays crucial roles in dendritic spine formation and stability, RNA transport, mRNA stability and synaptic homeostasis (PubMed:16317045, PubMed:25968143). [UniProtKB/Swiss-Prot Function]