

Product Name: RNA Binding Protein FUS, (1-526aa), Human, His-tagged, Recombinant, *E. coli*

Product Code: NBP1-42462

Swiss-Prot No.: P35637

Description: Tyrosine FUS is a nucleic acid-binding protein whose N-terminal half functions as a transcriptional activator domain in fusion oncoproteins found in human leukemias and liposarcomas. FUS has been reported to be associated with the nuclear matrix and has been implicated in transcription, pre-mRNA splicing processes, spliceosome assembly, and promoting undifferentiated endothelial cells. Human FUS with an N-terminal His tag expressed in *E. coli* and purified by conventional chromatography.

Sequence:

1 **MGSSHHHHHHHGQNLVFGQ**AMASNDYTTQATQSYGAYPTQPQGGYSQQSSQPYGQQSYSGYSQSTDTSGYGQSSYSSYGGSQNTGYGTQSTPQGGST
101 GYGSSQSSQSSYGGQSSYPGYGQQPAPSSTSGSYGSSQSSSYGQPQSGSYQQPSYGGQQSYGQQQSYNPPQGYGQQNQYNSSSGGGGGGGGGNYG
201 QDQSSMSSGGGSGGGYGNQDQSGGGGSGGYGQQDRGGRRGRGGSGGGGGGGGGYNRSSGGYEPGRGGRRGGRRGGMGGSDRGGFNKFGGPRDQGSRDSE
301 QDNSDNTIFVQGLGENVTIESVADYFKQIGIITKNKKTGQPMINLYTDRETGKLKGEATVSFDDPPSAKAAIDWFDGKEFSGNPIKVSFATRRADFNRG
401 GGNGRGGRRGGPMGRGGYGGGGSGGGRRGGFPGGGGGGGQQRAGDWKCPNPTCENMNFSWRNECNQCKAPKPDGPGGGPGGSHMGGNYGDDRRGGRRG
501 YDRGGYRGRGGDRGGFRGGRRGGDRGGFGPGKMDSRGEGHRQDRRERPY 548

Molecular Weight: 56.0 kDa

Concentration: 0.5 mg/ml (determined by Bradford assay)

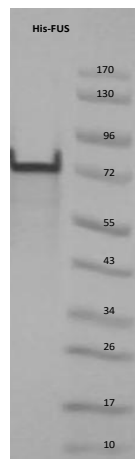
Formulation: 25 mM Tris pH 8.0, 250 mM NaCl, 8 M Urea, 1 mM DTT

Shipping/Storage: Shipped on wet ice. Store frozen at -20°C or -70°C.

Characterization:

SDS-PAGE

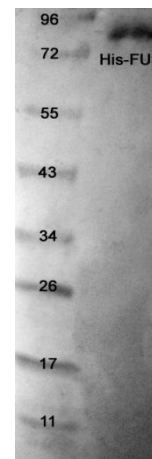
Purity >95%



4-20% SDS-PAGE
5 µg loaded

Western Blot

Novus Biologicals FUS Antibody NB100-562:



60 ng loaded