Datasheet for ABIN7556499

FUS Protein (AA 1-518) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	FUS
Protein Characteristics:	AA 1-518
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FUS protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Fus Protein expressed in mammalien cells.
Sequence:	MASNDYTQQA TQSYGAYPTQ PGQGYSQQSS QPYGQQSYSG YGQSADTSGY GQSSYGSSYG QTQNTGYGTQ SAPQGYGSTG GYGSSQSSQS SYGQQSSYPG YGQQPAPSST SGSYGGSSQS SSYGQPQSGG YGQQSGYGGQ QQSYGQQQSS YNPPQGYGQQ NQYNSSSGGG GGGGGGNYGQ DQSSMSGGGG GGGYGNQDQS GGGGGGYGGG QQDRGGRGRG GGGGYNRSSG GYEPRGRGGG RGGRGGMGGS DRGGFNKFGG PRDQGSRHDS EQDNSDNNTI FVQGLGENVT IESVADYFKQ IGIIKTNKKT GQPMINLYTD RETGKLKGEA TVSFDDPPSA KAAIDWFDGK EFSGNPIKVS FATRRADFNR GGGNGRGGRG RGGPMGRGGY GGGGSGGGGR GGFPSGGGGG GGQQRAGDWK CPNPTCENMN FSWRNECNQC KAPKPDGPGG GPGGSHMGGN YGDDRRGRGG YDRGGYRGRG GDRGGFRGGR GGGDRGGFGP GKMDSRGEHR QDRRERPY **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special**

Product Details

	request, please contact us.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	FUS
Alternative Name:	Fus (FUS Products)
Target Type:	Viral Protein
Background:	RNA-binding protein FUS (Protein pigpen),FUNCTION: 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). {ECO:0000250|UniProtKB:P35637, ECO:0000269|PubMed:16317045, ECO:0000269|PubMed:25968143}.

Target Details

Molecular Weight:	52.7 kDa
UniProt:	P56959

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

