Datasheet for ABIN7563745

Chromosome 11open Reading Frame 9 (C11orf9) (AA 1-1138) protein (His tag)

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Overview

Quantity:	1 mg
Target:	Chromosome 11open Reading Frame 9 (C11orf9)
Protein Characteristics:	AA 1-1138
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Myrf Protein expressed in mammalien cells.
Sequence:	MEVVDETEAL QRFFEGHDIS GALEPSNIDT SILEEYIGKE DASDLCFPEI SAPASTASFP HGPPAIPGSS GLHHLSPPGS GPSPGRHGPL PPPTYGTPLN CNNNNGMGTA PKPFLGGSGP PIKAEPKAPY APGTLPDSPP DSGSEAYSPQ QVNDPHLLRT ITPETLCHVG VSSRLEHPPP PPAHLPGPPP PPPPPPHYPV LQRDLYMKAE PPVPPYAAMG PGLVPPELHH TQQTQVLHQL LQQHGAELPP HPSKKRKHSE SPPNTLNAQM LNGMIKQEPG TVTALPPHPA RAPSPPWPPQ GPLSPGTGSL PLSIARAQTP PWHPPGAPSP GLLQDSDSLS GSYLDPNYQS IKWQPHQQNK WATLYDANYK ELPMLTYRVD ADKGFNFSVG DDAFVCQKKN HFQVTVYIGM LGEPKYVKTP EGLKPLDCFY LKLHGVKLEA LNQSINIEQS QSDRSKRPFN PVTVNLPPEQ VTKVTVGRLH FSETTANNMR KKGKPNPDQR YFMLVVALQA HAQNQNYTLA AQISERIIVR ASNPGQFESD SDVLWQRAQL PDTVFHHGRV GINTDRPDEA LVVHGNVKVM GSLMHPSDLR AKEHVQEVDT TEQLKRISRM RLVHYRYKPE FAASAGIEAT APETGVIAQE VKEILPEAVK DTGDVVFANG

Product Details

	KTIENFLVVN KERIFMENVG AVKELCKLTD NLETRIDELE RWSHKLAKLR RLDSLKSTGS SGAFSHAGSQ FSRAGSVPHK KRPPKLANKS SPAVPDQACI SQRFLQGTII ALVVVMAFSV VSMSTLYVLS LRSEEDLVDA DGSLAVSTSC LLALLRPQDP GGSEAMCPWS SQSFGTTQLR QSSMTTGLPG TQPSLLLVTK SASGPALRAL DLCSSQPCPI VCCSPPVSSP ATDPALGPTL TPTPSPSSNP KHSGPGQMAP LPVTNIRAKS WGISANGISY SKHSKSLEPL ASPVVPFPGG QSKTKNSPSF NLQSRARRGA PQPSPSPAQF TQTQGQLDPA PSLTSIQLLE NSMPITSQYC VPEGACRLGN FTYHIPVSSS TPLHLSLTLQ MNSSTPVSVV LCSLTSEEEP CEEGGFLQRF HPHQDTQGTS HQWPVTILSF REFTYHFRVT LLGQANCSSE AIVQPATDYY FHFYRLCD **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 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:	Chromosome 11open Reading Frame 9 (C11orf9)
Alternative Name:	Myrf (C11orf9 Products)
Background:	Myelin regulatory factor (EC 3.4.-.-) (Myelin gene regulatory factor) [Cleaved into: Myelin regulatory factor, N-terminal, Myelin regulatory factor, C-terminal],FUNCTION: [Myelin regulatory

Target Details

	factor]: Constitutes a precursor of the transcription factor. Mediates the autocatalytic cleavage that releases the Myelin regulatory factor, N-terminal component that specifically activates transcription of central nervous system (CNS) myelin genes. {ECO:0000269|PubMed:23966833, ECO:0000269|PubMed:28623291}., FUNCTION: [Myelin regulatory factor, C-terminal]: Membrane-bound part that has no transcription factor activity and remains attached to the endoplasmic reticulum membrane following cleavage. {ECO:0000269|PubMed:23966833}., FUNCTION: [Myelin regulatory factor, N-terminal]: Transcription factor that specifically activates expression of myelin genes such as MBP, MOG, MAG, DUSP15 and PLP1 during oligodendrocyte (OL) maturation, thereby playing a central role in oligodendrocyte maturation and CNS myelination (PubMed:19596243, PubMed:22956843, PubMed:23966833, PubMed:24204311, PubMed:27532821). Specifically recognizes and binds DNA sequence 5'-CTGGYAC-3' in the regulatory regions of myelin-specific genes and directly activates their expression. Not only required during oligodendrocyte differentiation but is also required on an ongoing basis for the maintenance of expression of myelin genes and for the maintenance of a mature, viable oligodendrocyte phenotype (PubMed:19596243, PubMed:22956843, PubMed:23966833). {ECO:0000269|PubMed:19596243, ECO:0000269|PubMed:22956843, ECO:0000269|PubMed:23966833, ECO:0000269|PubMed:24204311, ECO:0000269|PubMed:27532821}.
Molecular Weight:	123.3 kDa
UniProt:	Q3UR85

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

Handling

Storage Comment:	Store at -80°C.
Expiry Date:	12 months