Datasheet for ABIN3095606

SRRM1 Protein (AA 1-904) (His tag)

1 Image

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Overview

Quantity:	1 mg
Target:	SRRM1
Protein Characteristics:	AA 1-904
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SRRM1 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	MDAGFFRGTS AEQDNRFSNK QKKLLKQLKF AECLEKKVDM SKVNLEVIKP WITKRVTEIL GFEDDVVIEF IFNQLEVKNP DSKMMQINLT GFLNGKNARE FMGELWPLLL SAQENIAGIP SAFLELKKEE IKQRQIEQEK LASMKKQDED KDKRDKEEKE SSREKRERSR SPRRRKSRSP SPRRRSSPVR RERKRSHSRS PRHRTKSRSP SPAPEKKEKT PELPEPSVKV KEPSVQEATS TSDILKVPKP EPIPEPKEPS PEKNSKKEKE KEKTRPRSRS RSKSRSRTRS RSPSHTRPRR RHRSRSRSYS PRRRPSPRRR PSPRRRTPPR RMPPPPRHRR SRSPVRRRRR SSASLSGSSS SSSSSRSRSP PKKPPKRTSS PPRKTRRLSP SASPPRRRHR PSPPATPPPK TRHSPTPQQS NRTRKSRVSV SPGRTSGKVT KHKGTEKRES PSPAPKPRKV ELSESEEDKG GKMAAADSVQ QRRQYRRQNQ QSSSDSGSSS SSEDERPKRS HVKNGEVGRR RRHSPSRSAS PSPRKRQKET SPRGRRRRSP SPPPTRRRRS PSPAPPPRRR RTPTPPPRRR TPSPPPRRRS PSPRRYSPPI QRRYSPSPPP KRRTASPPPP PKRRASPSPP PKRRVSHSPP PKQRSSPVTK RRSPSLSSKH RKGSSPSRST REARSPQPNK RHSPSPRPRA PQTSSSPPPV RRGASSSPQR RQSPSPSTRP

	IRRVSRTPEP KKIKKAASPS PQSVRRVSSS RSVSGSPEPA AKKPPAPPSP VQSQSPSTNW SPAVPVKKAK SPTPSPSPPR NSDQEGGGKK KKKKKDKKHK KDKKHKKHKK HKKEKAVAAA AAAAVTPAAI AAATTTLAQE EPVAAPEPKK ETESEAEDNL DDLEKHLREK ALRSMRKAQV SPQS **Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.**
Characteristics:	• Made in Germany - from design to production - by highly experienced protein experts. • Human SRRM1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade. • 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 will ensure that you receive a correctly folded protein. 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. In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization). When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered. The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer. The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: 1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE. 2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered

Product Details

Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	SRRM1
Alternative Name:	SRRM1 (SRRM1 Products)
Background:	Part of pre- and post-splicing multiprotein mRNP complexes. Involved in numerous pre-mRNA processing events. Promotes constitutive and exonic splicing enhancer (ESE)-dependent splicing activation by bridging together sequence-specific (SR family proteins, SFRS4, SFRS5 and TRA2B/SFRS10) and basal snRNP (SNRP70 and SNRPA1) factors of the spliceosome. Stimulates mRNA 3'-end cleavage independently of the formation of an exon junction complex. Binds both pre-mRNA and spliced mRNA 20-25 nt upstream of exon-exon junctions. Binds RNA and DNA with low sequence specificity and has similar preference for either double- or single-stranded nucleic acid substrates. {ECO:0000269|PubMed:10339552, ECO:0000269|PubMed:10668804, ECO:0000269|PubMed:11739730, ECO:0000269|PubMed:12600940, ECO:0000269|PubMed:12944400, ECO:0000269|PubMed:9531537}.
Molecular Weight:	103.3 kDa Including tag.
UniProt:	Q8IYB3

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 gurantee though.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid

Handling

Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

Images

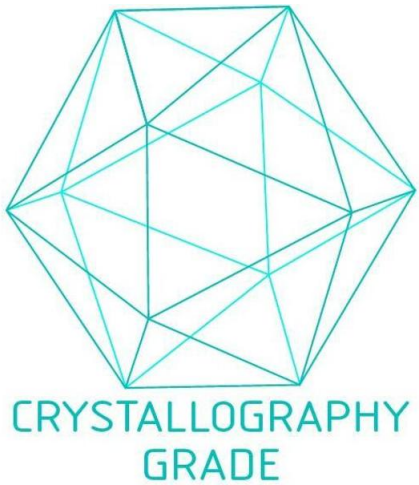

Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process