

Datasheet for ABIN7564377

## SRRM4 Protein (AA 1-608) (His tag)



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### Overview

Quantity:	1 mg
Target:	SRRM4
Protein Characteristics:	AA 1-608
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SRRM4 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Srrm4 Protein expressed in mammalian cells.
Sequence:	<p>MASLQQGEKQ LFEKFWKGTF KAVATPRPES IIVASITARK PMPRTEPQSS LLLPDQDGPS</p> <p>EKLGQHLAPE ALGTNSWGRE KACRELDPAR AHSASQDRDP TPPPSSRGKK KKKKSTRKKR</p> <p>RRSPSYSPSP VKKKKKKSSK KHKRHRFSK KRRHSSCSPK SKRREEKRHK KQSRSRKSHR</p> <p>HRHHRCPSRS QSSELRSPSC ESRHRGRSPE EGRKSRRTHS RRC SKNHCKV SPDARSSHLP</p> <p>SQPLPRLGFL SARGVITGSG SAADLFKS SAATRGRS QEYDSGNDTS SPPSTQTSSA</p> <p>RSRGQKEGSP GGDLSKSRDL NCGNTSDSGN SFTTSSPQNK GAVLETVSPA CRSRESRGFQ</p> <p>SPCLQCAEVK KSSLVPSTAR SSPIKECSRS SSYTSTRSSS PSSRSPNPRA SPRYTRSRST</p> <p>SSEKRSYSRS PSYSSKSGKR SPPSRSSRSR RSPSYSRYP SRERDLKYGE KEPQPRERAR</p> <p>RRRRSYSPMR KRRRDSPSHL EARRITSARK RPIPYRPS SSSSLSSAS SWYSSSSSSS</p> <p>SSSRSPSR YSRSRSPSR HSSRSQTRSR TRTSRSSSR SLSLGSRS RNRSLSYSSA</p> <p>ESYASTRR <b>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</b></p>

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**necessary. In case you have a special request, please contact us.**

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**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian 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.

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**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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**Grade:** custom-made

## Target Details

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**Target:** SRRM4

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**Alternative Name:** Srrm4 ([SRRM4 Products](#))

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**Background:** Serine/arginine repetitive matrix protein 4 (Neural-specific serine/arginine repetitive splicing factor of 100 kDa) (Neural-specific SR-related protein of 100 kDa) (nSR100),FUNCTION: Splicing factor specifically required for neural cell differentiation. Acts in conjunction with nPTB/PTBP2 by binding directly to its regulated target transcripts and promotes neural-specific exon inclusion in many genes that function in neural cell differentiation. Required to promote the inclusion of neural-specific exon 10 in nPTB/PTBP2, leading to increased expression of neural-specific nPTB/PTBP2. Also promotes the inclusion of exon 16 in DAAM1 in neuron extracts (PubMed:19737518). Promotes alternative splicing of REST transcripts to produce REST isoform 2 (REST4) with greatly reduced repressive activity, thereby activating expression of REST targets in neural cells (PubMed:21884984). Plays an important role during embryonic

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## Target Details

	development as well as in the proper functioning of the adult nervous system. Regulates alternative splicing events in genes with important neuronal functions (PubMed:25838543). {ECO:0000269 PubMed:19737518, ECO:0000269 PubMed:21884984, ECO:0000269 PubMed:25838543}.
Molecular Weight:	67.9 kDa
UniProt:	<a href="#">Q8BKA3</a>
Pathways:	<a href="#">Sensory Perception of Sound</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. 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