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Datasheet for ABIN7564441  
**SS18L1 Protein (AA 1-402) (His tag)**

## Overview

Quantity:	1 mg
Target:	SS18L1
Protein Characteristics:	AA 1-402
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SS18L1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Ss18l1 Protein expressed in mammalian cells.
Sequence:	MSVAFASARP RGKGEVTQQT IQKMLDENHH LIQCILDYQS KGKTAECTQY QQILHRNLVY LATIADSNQN MQSLLPAPPT QNMNLGPGAL SQSGSSQGLH PQGSLSDTVS TGLPPASLMQ GQIGNGNPNHV SMQQTASTL PTTSMLSLGS GHGTGPGYSH SGPTSQSVPM QGQGAISNYV SRTNINMQSN PVSMMHQQA TSHYNSAQGG SQHYQGQAPI AMMGQGGQGG SMMGQRPMAP YRPSQQGSSQ QYLGQEEYYS EQYSHSQGSA EPMSQQYYPD GHGDYAYQQS SYTEQSYDRS FEDPTQHYYE GGNSQYSQQQ AGYQQGTAQQ QTYSQQQYPN QQSYPGQQQG YGPAQGAPSQ YSSYQQGQGQ QYGSYRTSQT GPSAQQRPY GYEQQQYGN Y QQ <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 necessary. In case you have a special request, please contact us.</b>
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.

## Product Details

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### 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:

SS18L1

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### Alternative Name:

Ss18l1 ([SS18L1 Products](#))

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### Background:

Calcium-responsive transactivator (SS18-like protein 1),FUNCTION: Transcriptional activator which is required for calcium-dependent dendritic growth and branching in cortical neurons. Recruits CREB-binding protein (CREBBP) to nuclear bodies. Component of the CREST-BRG1 complex, a multiprotein complex that regulates promoter activation by orchestrating a calcium-dependent release of a repressor complex and a recruitment of an activator complex. In resting neurons, transcription of the c-FOS promoter is inhibited by BRG1-dependent recruitment of a phospho-RB1-HDAC1 repressor complex. Upon calcium influx, RB1 is dephosphorylated by calcineurin, which leads to release of the repressor complex. At the same time, there is increased recruitment of CREBBP to the promoter by a CREST-dependent mechanism, which leads to transcriptional activation. The CREST-BRG1 complex also binds to the NR2B promoter, and activity-dependent induction of NR2B expression involves a release of HDAC1 and recruitment of CREBBP. {ECO:0000269|PubMed:14716005, ECO:0000269|PubMed:19081374}.

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### Molecular Weight:

43.7 kDa

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## Target Details

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UniProt: [Q8BW22](#)

## Application Details

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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

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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