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Datasheet for ABIN7559660  
**STAC2 Protein (AA 1-408) (His tag)**

## Overview

Quantity:	1 mg
Target:	STAC2
Protein Characteristics:	AA 1-408
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAC2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Stac2 Protein expressed in mammalian cells.
Sequence:	MTEMSEKENE PDDAATHTPP GTVSTLQETK LQRFKRSLSL KTI LRKSVE NFFLRSGSEL KCPTEVLLTP PTPLPPSP PASTDRGLPT PTPSPCVPR PLAPLKPVRL HSFQEHVFKR ASPCELCHQL IVGNSKQGLR CKTCKVSVHL WCSEESHQ CPGKTSTSFR RNFSSPLL VH APPPACAMNK ESPPTGTSGK VDPVYETLRY GTSLALMNRS SFSSTSESPT RLSERDEL T EDGEGSIRSS EEGPGDSVFT APAESEGGP EEKSPGQPP KLPLRKDVGP MYSYVALYKF LPQENNDLAL QPGDRIMLVD DSNEDWWK GK I GDRVGFPA N FVQRVRPGE NVWRCCQPFS GNKEQGYMSL KENQICVGV S RSKDSDGFIR VSSGKKRGLV PADSLAEI <b>Sequence without tag.</b> <b>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:

STAC2

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### Alternative Name:

Stac2 ([STAC2 Products](#))

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### Background:

SH3 and cysteine-rich domain-containing protein 2 (24b2/STAC2) (Src homology 3 and cysteine-rich domain-containing protein 2),FUNCTION: Plays a redundant role in promoting the expression of calcium channel CACNA1S at the cell membrane, and thereby contributes to increased channel activity (PubMed:29467163). Slows down the inactivation rate of the calcium channel CACNA1C (PubMed:25548159, PubMed:29363593). {ECO:0000269|PubMed:25548159, ECO:0000269|PubMed:29363593, ECO:0000269|PubMed:29467163}.

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### Molecular Weight:

44.8 kDa

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### UniProt:

[Q8R1B0](#)

## 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.

## Application Details

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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