

Datasheet for ABIN7552320  
**SGEF Protein (AA 1-871) (His tag)**



[Go to Product page](#)

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | SGEF (ARHGEF26)                             |
| Protein Characteristics:      | AA 1-871                                    |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This SGEF protein is labelled with His tag. |

## Product Details

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|-----------|--|
| Purpose:  | Custom-made recombinant ARHGEF26 Protein expressed in mammalian cells.   |
| Sequence: | MDGESEVDFS SNSITPLWRR RSIPQPHQVL GRSKPRPQSY QSPNGLLITD FPVEDGGTLL<br>AAQIPAQVPT ASDSRTVHRS PLLLGAQRRR VANGGTASPE YRAASPRLRR PKSPKLPKAV<br>PGGSPKSPAN GAVTLPAPPP PPVLRPPRTP NAPAPCTPEE DLTGLTASPV PSPTANGLAA<br>NNDSPGSGSQ SGRKAKDPER GLFPGPQKSS SEQKLPLQRL PSQENELLEN PSVVLSTNSP<br>AALKVGKQQI IPKSLASEIK ISKSNQNV EPHKRLKVR S MVEGLGGPLG HAGEESEVDN<br>DVDSPGSLRR GLRSTSYRRA VVSGDFD DSP TSSKKKNRMS QPVLKVMED KEKFSSLGRI<br>KKKMLKGQGT FDGEENAVLY QNYKEKALDI DSDEESEPKE QKSDEKIVIH HKPLRSTWSQ<br>LSAVKRKGLS QTVSQEERKR QEAIFEVISS EHSYLLSLEI LIRMFKNSKE LSDTMTKTER<br>HHLFSNITDV CEASKKFFIE LEARHQNNIF IDDISDIVEK HTASTFDPYV KYCTNEVYQQ<br>RTLQKLLATN PSFKEVLSRI ESHEDCRNLP MISFLILPMQ RVTRLPLLM D TICQKTPKDS<br>PKYEVCKRAL KEVSKLVRLC NEGARKMERT EMMYTINSQL EFKIKPFPLV SSSRWLVKRG<br>ELTAYVEDTV LFSRRTSKQQ VYFFLFNDVL IITKKKSEES YNVNDYSLRD QLLVESCDNE |

## Product Details

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ELNSSPGKNS STMLYSRQSS ASHLFTLTVL SNHANEKVEM LLGAETQSER ARWITALGHS  
SGKPPADRTS LTQVEIVRSF TAKQPDELSL QVADVLLIQ RVSDGWYEGE RLRDGERGWF  
PMECAKEITC QATIDKNVER MGRLLGLETN V **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.**

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.

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

Grade: custom-made

## Target Details

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Target: SGEF (ARHGEF26)

Alternative Name: ARHGEF26 ([ARHGEF26 Products](#))

Background: Rho guanine nucleotide exchange factor 26 (SH3 domain-containing guanine exchange factor),FUNCTION: Activates RhoG GTPase by promoting the exchange of GDP by GTP. Required for the formation of membrane ruffles during macropinocytosis. Required for the formation of cup-like structures during trans-endothelial migration of leukocytes. In case of Salmonella enterica infection, activated by SopB, which induces cytoskeleton rearrangements

## Target Details

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and promotes bacterial entry. {ECO:0000269|PubMed:15133129, ECO:0000269|PubMed:17074883, ECO:0000269|PubMed:17875742}.

Molecular Weight: 97.3 kDa

UniProt: [Q96DR7](#)

## 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