



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)

Datasheet

ARHGEF2 (Human) Recombinant Protein (P01)

Catalog Number: H00009181-P01

Regulation Status: For research use only (RUO)

Product Description: Human ARHGEF2 full-length ORF (AAH20567, 1 a.a. - 959 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MKEAKDARYTNGHLFTTISVSGMTMICYACNKSITAKE
ALICPTCNVTIHNRCQDTLANCTKVQKQKQAALLKNN
TALQSVSLRSKTTIRERPSSAIYPSDSFRQSLLGSRRG
RSSLSLAKSVSTTNIAGHFNDESPLGLRRILSQSTDSL
MRNRTL SVESLIDEAEVIYSELMSDFEMDEKDFEADS
WSLAVDSSFLQQHKKEVMKQQDVIIYELIQTELHHVRTL
KIMTRLFRTGMLEELHLEPGVVQGLFPCVDELSDIHTR
FLSQLLERRRQALCPGSTRNFVIHRLGDLISQFSGPS
AEQMCKTYSEFCSRHSKALKLYKELYARDKRFQQFIR
KVTRPAVLKRHGVQECILLVTQRITKYPLLISRIHQSH
GIEEERQDLTTALGLVKELLSNVDEGIYQLEKGARLQEI
YNRMDPRAQTPVPGKPGFGRSELLRRKLIHDGCLLWK
TATGRFKDVLVLLMTDVLVFLQEKDQKYIFPTLDKPSV
VSLQNLIVRDIANQEKGMFLISAAPPEMYEVHTASRDD
RSTWIRVIQQSVRTPCPSREDFLIETEDAYLRRIKME
LQQKDRALVELLREKVGLFAEMTHFQAEEDGGSGMAL
PTLPRGLFRSELES PRGERLLQDAIREVEGLKDLLVG
PGVELLLTPREPALPLEPDSGGNTSPGVTANGEARTF
NGSIELCRADSDSSQRDRNGNQLRSPQEEALQRLVNL
YGLLHGLQAAVAQQDTLMEARFPEGPERREKLCRAN
SRDGEAGRAGAAPVAPEKQATELALLQRQHALLQEEL
RRCRRLGEERATEAGSLEARLRESEQARALLEREAE
ARRQLAALGQTEPLPAEAPWARRPVDPRRRSLPAGD
ALYLSFNPPQPSRGTDRDLPTVTTTRSVHRNFEDRERQ
ELGSPEERLQDSSDPDTGSEEEGSSRLSPPHSPRDF
T
RMQDIPEETESRDGEAVASES

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 131.12

Interspecies Antigen Sequence: Mouse (88); Rat (89)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 9181

Gene Symbol: ARHGEF2

Gene Alias: DKFZp547L106, DKFZp547P1516, GEF, GEF-H1, GEFH1, KIAA0651, LFP40, P40

Gene Summary: Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein may form complex with G proteins and stimulate rho-dependent signals. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq]

References:

1. NEK9, a novel effector of IL-6/STAT3, regulates metastasis of gastric cancer by targeting ARHGEF2 phosphorylation. Guofang Lu, Siyuan Tian, Yi Sun, Jiaqiang Dong, Na Wang, Jiaoxia Zeng, Yongzhan Nie, Kaichun Wu, Ying Han, Bin Feng, Yulong Shang. Theranostics. 2021 Jan 1;11(5):2460-2474. doi: 10.7150/thno.53169. eCollection 2021.