

# Recombinant Human ARHGEF2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ARHGEF2-1682H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ARHGEF2 MS Standard C13 and N15-labeled recombinant protein (NP_004714) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | 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.                                                                                                                                                           |
| <b>Molecular Mass</b>   | 108.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MKEAKDARYTNGHLFTTISVSGMTMCYACNKSITAKEALICPTCNVTIHNRCCKDTLAN<br>CTKVKQKQKKAALLKNNTALQSVSLRSKTTIRERPSSAIYPSDSFRQSLLGSRRGRS<br>SLSLAKSVSTTNIAGHFNDESPLGLRRILSQSTDLSLNMNRNRTLSVESLIDEAEVIYSEL<br>MSDFEMDEKDFAAADSWSLAVDSSFLQQHKKEVMKQQDVIYELIQTELHHVRTLKIMT<br>RLFRTGMLEELHLEPGVVQGLFPCVDELSDIHTRFLSOLLERRRQALCPGSTRNFVI<br>HRLGDLLISQFSGPSAEQMCKTYSEFCSRHASKALKLYKELYARDKRFQQFIRKVTRP<br>AVLKRHGVQECILLVTQRITKYPLLISRIHQSHGIEEERQDLTTALGLVKELLSNVDE<br>GIYQLEKGARLQEIYNRMDPRAQTPVPGKGPFGREELLRRKLIHDGCLLWKTATGRF |

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KDVLVLLMTDVLVFLQEKDQKYIFPTLDKPSVSVSLQNLIVRDIANQEKG MFLISAAPPE  
 MYEVHTASRDDRSTWIRVIQQSVRTCPSREDFPLIETEDAYLRRIKMELQQKDRA  
 VELLREKVGLFAEMTHFQAEEDGGSGMALPTLPRGLFRSESLES PRGERLLQDAIR  
 EVEGLKDLLVGPGVELLLTPREPALPLEPDSGGNTSPGVTANGEARTFN GSIELCRA  
 DSDSSQRDRNGNQLRSPQEEALQRLVNLYGLLHGLQA AVAQQDTLMEARFPEGPE  
 RREKLCRANSRDGEAGRAGAAPVAPEKQATELALLQRQHALLQEELRRCRRLGEE  
 RATEAGSLEARLRESEQARALLEREAE EARRQLAALGQTEPLPAEAPWARRPVDP  
 RRSLPAGDALYLSFNPPQPSRGTDRLDLPVTTRSVHRNFEDRERQELGSPEERLQD  
 SSDPDTGSEEEGSSRLSPPHSPRDFTRMQDIPEETESRDGEAVASESTRTRPLEQK  
 LISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** ARHGEF2 Rho/Rac guanine nucleotide exchange factor 2 [ Homo sapiens (human) ]

**Official Symbol** ARHGEF2

**Synonyms** ARHGEF2; Rho/Rac guanine nucleotide exchange factor (GEF) 2; rho/rac guanine nucleotide exchange factor (GEF) 2; rho guanine nucleotide exchange factor 2; GEF H1; KIAA0651; LFP40; P40; microtubule-regulated Rho-GEF; guanine nucleotide

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exchange factor H1; proliferating cell nucleolar antigen p40; Rho/Rac guanine nucleotide exchange factor 2; GEF; GEFH1; GEF-H1; FLJ45440; DKFZp547L106; DKFZp547P1516;

**Gene ID** [9181](#)

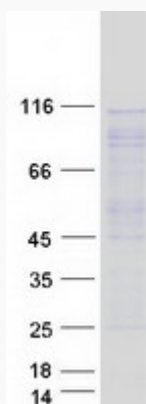
**mRNA Refseq** [NM\\_004723](#)

**Protein Refseq** [NP\\_004714](#)

**MIM** [607560](#)

**UniProt ID** [Q92974](#)

**SDS-PAGE**



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