

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

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

SPECIFICATION

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

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KDVLVLLMTDVLVFLQEKDQKYIFPTLDKPSVSVSLQNLIVRDIANQEKG MFLISAAPPE
 MYEVHTASRDDRSTWIRVIQQSVRTCPSREDFPLIETEDAYLRRIKMELQQKDRA
 VELLREKVGLFAEMTHFQAEEDGGSGMALPTLPRGLFRSESLESPRGERLLQDAIR
 EVEGLKDLLVGPVVELLLTPREPALPLEPDSGGNTSPGVTANGEARTFNLSIELCRA
 DSDSSQRDRNGNQLRSPQEEALQRLVNLYGLLHGLQAABAQQDTLMEARFPEGPE
 RREKLCRANSRDGEAGRAGAAPVAPEKQATELALLQRQHALLQEELRRCRRLGEE
 RATEAGSLEARLRESEQARALLEREAEAEARRQLAALGQTEPLPAEAPWARRPVDP
 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](#)

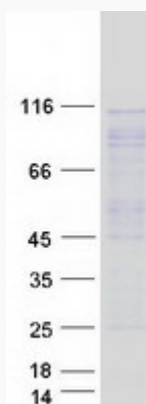
mRNA Refseq [NM_004723](#)

Protein Refseq [NP_004714](#)

MIM [607560](#)

UniProt ID [Q92974](#)

SDS-PAGE



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