

Recombinant Full Length Human ARHGEF2 Protein, C-Flag-tagged

Cat. No. ARHGEF2-12HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ARHGEF2 Protein, fused to Flag-tag at C-terminus, was expressed in HEK293T.
Species	Human
Source	HEK293
ProteinLength	Full Length
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.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol.
Molecular Mass	108.1 kDa
AA Sequence	MKEAKDARYTNGHLFTTISVSGMTMCYACNKSITAKEALICPTCNVTIHNRCKDTLAN CTKVQKQKQKAALLKNTALQSVSLRSKTTIRERPSSAIYPSDSFRQSLGSRGRSS LSLAKSVSTTNIAGHFNDDESPLGLRRILSQSTDLSNMRNRTLVSESLIDEAEVIYSELM SDFEMDEKDFAAADSWSLAVDSSFLQQHKKEVMKQQDVIYELIQTELHHVRTLKIMTR LFRTGMLEELHLEPGVVQGLFPCVDELSDIHTRFLSQLLERRRQALCPGSTRNFVIH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RLGDLLISQFSGPSAEQMCKTYSEFCSRHSKALKLYKELYARDKRFQQFIRKVTRPA
VLKRHGVQECILLVTQRITKYPLLISRIHQSHGIEEERQDLTTALGLVKELLSNVDEGI
YQLEKGARLQEIYNRMDPRAQTPVPGKGPFGREELLRRKLIHDGCLLWKTATGRFK
DVLVLLMTDVLVFLQEKDQKYIFPTLDKPSVSLQNLIVRDIANQEKGMFLISAAPPEM
YEVHTASRDDRSTWIRVIQQSVRTCPSREDFPLIETEDEAYLRRIKMELQQKDRAV
ELLREKVGLFAEMTHFQAEEDGGSGMALPTLPRGLFRSESLSPRGERLLQDAIRE
VEGLKDLLVGPVVELLLTPREPALPLEPDSGGNTSPGVTANGEARTFNGSIELCRAD
SDSSQRDRNGNQLRSPQEEALQRLVNLYGLLHGLQAABAQQDTLMEARFPEGPER
REKLCRANSRDGEAGRAGAAPVAPEKQATELALLQRQHALLQEELRRCRRLGEER
ATEAGSLEARLRESEQARALLEREAEARRQLAALGQTEPLPAEAPWARRPVDPRR
RSLPAGDALYLSFNPPQPSRGTDRLDLPVTTTRSVHRNFEDRERQELGSPEERLQDS
SDPDTGSEEEGSSRLSPPHSPRDFTRMQDIPEETESRDGEAVASES TRTRPLEQKL
ISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	>0.05 µg/µL as determined by microplate BCA method.

GENE INFORMATION

Gene Name	ARHGEF2 Rho/Rac guanine nucleotide exchange factor 2 [Homo sapiens (human)]
Official Symbol	ARHGEF2
Synonyms	GEF; Lfc; P40; GEFH1; LFP40; GEF-H1; NEDMHM

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Gene ID	9181
mRNA Refseq	NM_004723.4
Protein Refseq	NP_004714.2
MIM	607560
UniProt ID	Q92974

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