

Recombinant Human ARHGEF11 Protein, MYC/DDK-tagged

Cat. No. ARHGEF11-2697H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARHGEF11 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
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 a complex with G proteins and stimulate Rho-dependent signals. A similar protein in rat interacts with glutamate transporter EAAT4 and modulates its glutamate transport activity. Expression of the rat protein induces the reorganization of the actin cytoskeleton and its overexpression induces the formation of membrane ruffling and filopodia. Two alternative transcripts encoding different isoforms have been described.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	172.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	ARHGEF11 Rho guanine nucleotide exchange factor (GEF) 11 [Homo sapiens]
Official Symbol	ARHGEF11
Synonyms	GTRAP48; PDZ-RHOGEF
Gene ID	9826
mRNA Refseq	NM_014784
Protein Refseq	NP_055599
MIM	605708
UniProt ID	O15085

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