

Product datasheet for **TP307435M**

Rho guanine exchange factor 15 (ARHGEF15) (NM_173728) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Rho guanine nucleotide exchange factor (GEF) 15 (ARHGEF15), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207435 protein sequence Red =Cloning site Green =Tags(s)

MSAQS LPAATPPTQKPPRIIRPPPSRSRAAQSPGPPHNGSSPQELPRNSNDAPTPMCTPIFWEPPAASL
KPPALLPPSASRASLDSQTSPDPSSTPTSPVSRRSASPEAPRSPVPPPKPSGSPCTPLLP MAGVLAQ
NGSASAPGTVRR LAVRFEGGAEGRAQDADAPEPGLQARADVNGEREAPLTGSGSQENGAPDAGLACPPC
C
PCVCHTTRPGLELRWVPVGGYEEVPRVPRRASPLRTSRSRPHPPSIGHPAWLTSYRSTAERKLLPPLKP
PKPTRVRQDATIFGDPPQPDLDLLEDGIQTGDSPDEAPQNTPPATVEGREEGLEVLKEQNWELPLQDE
PLYQTYRAAVLSEELWGVGEDGSPSPANAGDAPTFPRPPGPRNTLWQELPAVQASGLD TLSPQERRMQ
E
SLFEVVTSEASYLRSLRLTDTFVLSQALRDTLTPRDHHTLFSNVQRVQGVSERFLATLLSRVRSSPHIS
DLCDVWHAAVGPFSVYVDYVRNQYQEETYSRLMDTNVRFSAELRRLQSLPKCERLPLPSFLLLPFQRI
TRLRMLLQNILRQTEEGSSRQENAKALGAVSKIIERCSAEVGRMKQTEELIRLTQRLRFHKVKALPLVS
WSRRLEFQGE TELGCRGGVLFASRPRTPLCLLLFSDLLITQPKSGQRLQVLDYAHRSLVQAQQVPD
PSGPPTFRLSLLSNHQGRPTHRLQASSLSDMQRWLGAFPTPGPLPCSPDTIYEDCDCSQELCSESSAPA
KTEGRSLESRAAPKHLHKTPEGWLKGLPGAFAQLVCEVTGEHERRRHLRQNQRLLAEVGPSSGTPNAPP
P

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	91.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	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°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_776089
Locus ID:	22899
UniProt ID:	O94989
RefSeq Size:	4220
Cytogenetics:	17p13.1
RefSeq ORF:	2523
Synonyms:	ARGEF15; E5; Ephexin5; Vsm-RhoGEF
Summary:	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein-coupled receptors. This gene encodes a protein that functions as a specific guanine nucleotide exchange factor for RhoA. It also interacts with ephrin A4 in vascular smooth muscle cells. Two alternatively spliced transcripts variants that encode the same protein have been found for this gene. [provided by RefSeq, Aug 2010]

Product images:



Coomassie blue staining of purified ARHGEF15 protein (Cat# [TP307435]). The protein was produced from HEK293T cells transfected with ARHGEF15 cDNA clone (Cat# [RC207435]) using MegaTran 2.0 (Cat# [TT210002]).