

## Product datasheet for PH308729

### ARHGEF11 (NM\_198236) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ARHGEF11 MS Standard C13 and N15-labeled recombinant protein (NP_937879)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208729
Predicted MW:	172.1 kDa
Protein Sequence:	>RC208729 representing NM_198236 Red=Cloning site Green=Tags(s)

MSVRLPQSIDRLSSLSSLGDSAPERKSPSHRQPSDASETTGLVQRCVIIQKDQHGFGFTVSGDRIVLVQ  
SVRPGGAAMKAGVKEGDRIIKVNGTMVNTSSHLEVVKLIKSGAYVALTLLGSSPSSMGISGLQQDPSPAG  
APRITSVIPSPPPPPLPPPQRITGPKLQDPEVQKHATQILRNMLRQEEKELQRICEVYSRNPASLLEE  
QIEGARRRVTQLQLKIQQETGGSVDILPLYGDTSQRPSEGRSLDSQEGDSGLDSGTERFPSSLSELMNR  
NSVLSDPGLDSPRTSPVIMARVAQHRRRQGSDAAVPSTGDQGVQSPKPLIIGPEEDYDPGYFNNESDII  
FQDLEKLSRPAHLGVFLRYIFSQADPSPLLFYLCAEVYQQASPKDSRSLGKDIWNIFLEKNAPLRVKIP  
EMLQAEIDSRLRNSEDARGVLCQAQEAAMPEIQEQIHDYRTKRTLGLSGLYGENDLLDLGDPLRERQVA  
EKQLAALGDILSKYEEDRSAPMDFALNTYMSHAGIRLREARPSNTAEKAQSAPDKDWLPFFPKTKKSSN  
SKKEKDALEDKKNPILKYIGPKSSSQSTFHIPLSPVEVKPGNVRNIIQHFENNQYDAPEPGTQRLST  
GSFPEDLLESDDSRSEIRLGRSESLKGREEMKRSRKAENVPRSRSDVMDAAAEEATRLHQSSASSTSSLS  
TRSLNPTPPFTPKMGRRSIESPSLGFCTDILLPHLEDDLQQLSDLEPEPDAQNWQHTVKGDDVAVGLTQ  
REIDRQEVINELFVTEASHLRTLRLVLDLIFYQRMKKENLMPREELARLFPNLPELIEIHNSWCEAMKKLR  
EEGPIIKEISDLMLARFDGPAREELQQVAAQFCSYQSIALELIKTKQRKESRFQLFMQEAESHPQCRRLO  
LRDLIISEMQRITKYPLLESIIKHTEGGTSEHEKLCRARDQCREILKYVNEAVKQNTENRHRLEGYQKRL  
DATALERASNPLAAEFKSLDLTRKMIHEGPLTWRISKDKTLDLHVLLLEDLLVLLQKQDEKLLKCHSK  
TAVGSSDSKQTFSPVLKLNVLIRSVATDKRAFFIICTSKLGPPQIYELVALTSSDKNTWMELLEAVRN  
ATRHPGAAMPVHPPPPGPREPAQQGPTPSRVELDDSDVFHGEPEPEELPGGTGSQQRVQKQHVLLLED  
EQEGSAEEEEELGVLPCPSTSLDGENRGIRTRNP.IHLAFPGPLFMEGLADSALEDVENLRHLILWSLLPGH  
TMETQAAQEPEDDLTPTPSVISVTSHPWDPGSPGQAPPGGEGDNTQLAGLEGERPEQEDMGLCSLEHLPP  
RTRNSGIWESPELDRNLAEASSTEAAAGGYKVVKAEVAGSKVVPALPESGQSEPPEVEGGTKATGNC  
FYVSMSPGPPDSSTDHSEAPMSPQPDLSLPAQQTPEQPQLQGGNDPRRPSRSPSLALRDVGMIFHTIE  
QLTLKLNRLKDMELAHRELLKSLGGESSGGTTPVGSFHTEAARWTDGSLSPPAKEPLASDRNSHELGPC  
PEDGSDAPLEDSTADAAAASPGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

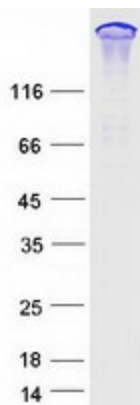
Tag: C-Myc/DDK



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<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Labeling Method:</b>	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3
<b>Storage:</b>	Store at -80°C. Avoid repeated freeze-thaw cycles.
<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_937879</a>
<b>RefSeq Size:</b>	6904
<b>RefSeq ORF:</b>	4686
<b>Synonyms:</b>	GTRAP48; PDZ-RHOGEF
<b>Locus ID:</b>	9826
<b>UniProt ID:</b>	<a href="#">O15085</a>
<b>Cytogenetics:</b>	1q23.1
<b>Summary:</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 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. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Vascular smooth muscle contraction

### Product images:



Coomassie blue staining of purified ARHGEF11 protein (Cat# [TP308729]). The protein was produced from HEK293T cells transfected with ARHGEF11 cDNA clone (Cat# [RC208729]) using MegaTran 2.0 (Cat# [TT210002]).