

Product datasheet for **TP316681**

ARHGEF9 (NM_015185) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Cdc42 guanine nucleotide exchange factor (GEF) 9 (ARHGEF9), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC216681 representing NM_015185
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MTLLITGDSIVSAEAVWDHVTMANRELAFKAGDVIKVLDA SNKDWWWGQIDDEEGWFPASVRLWVNQED
EVEEGPSDVQNGHLDPNSDCLCLGRPLQNRDQMRANVINEIMSTERHYIKHLKDICEGYLKQCRKRRDMF
SDEQLKVFIGNIEDIYRFQMGFVRDLEKQYNNDDPHLSEIGPCFLEHQDGFWIYSEYCNNHLDACMELSK
LMKDSRYQHFFFEACRLLQQMIDIAIDGFLTLVQKICKYPLQLAELLKYTAQDHSYRYVAAALAVMRNV
TQQINERKRRLNIDKIAQWQASVLDWEGEDILDRSSELIYTGEMAWIYQPYGRNQQRVFFLFDHQMVLK
KKDLIRRDILYKGRIDMDKYEVVDIEDGRDDDFNVSMKNAFKLHNKETEEIHLFFAKKLEEKIRWLRAF
REERKMVQEDEKIGFEISENQKRQAAMTVRKVPKQKGVNSARSVPPSYPPPQDPLNHGQYLVPDGIAQSQ
VFEFTEPKRSQSPFWQNFRLTPFKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

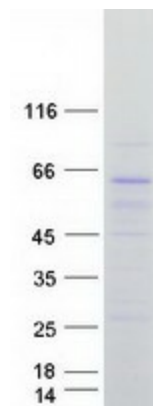
Tag:	C-Myc/DDK
Predicted MW:	60.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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_056000
Locus ID:	23229
UniProt ID:	O43307
RefSeq Size:	5413
Cytogenetics:	Xq11.1
RefSeq ORF:	1548
Synonyms:	COLLYBISTIN; DEE8; EIEE8; HPEM-2; PEM-2; PEM2
Summary:	The protein encoded by this gene is a Rho-like GTPase that switches between the active (GTP-bound) state and inactive (GDP-bound) state to regulate CDC42 and other genes. This brain-specific protein also acts as an adaptor protein for the recruitment of gephyrin and together these proteins facilitate receptor recruitment in GABAergic and glycinergic synapses. Defects in this gene are the cause of startle disease with epilepsy (STHEE), also known as hyperekplexia with epilepsy, as well as several other types of cognitive disability. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2017]

Product images:



Coomassie blue staining of purified ARHGEF9 protein (Cat# TP316681). The protein was produced from HEK293T cells transfected with ARHGEF9 cDNA clone (Cat# [RC216681]) using MegaTran 2.0 (Cat# [TT210002]).