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Product datasheet for PH316681

ARHGEF9 (NM_015185) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARHGEF9 MS Standard C13 and N15-labeled recombinant protein (NP_056000)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216681
Predicted MW:	60.8 kDa
Protein Sequence:	>RC216681 representing NM_015185 Red=Cloning site Green=Tags(s) MTLLITGDSIVSAEAVWDHVTMANRELAFKAGDVIKVLDASNKDWWWGQIDDEEGWFPASFVRLWVNQED EVEEGPSDVQNGHLDPNSDCLCLGRPLQNRDQMRANVINEIMSTERHYIKHLKDICEGYLKQCRKRRDMF SDEQLKVIFGNIEDIYRFQMGFVRDLEKQYNNDDPHLSEIGPCFLEHQDGFWIYSEYCNNHLDACMELSK LMKDSRYQHFFEACRLLQQMIDIAIDGFLLTLVQKICKYPLQLAELLKYTAQDHSDYRYVAAALAVMRNV TQQINERKRRLENIDKIAQWQASVLDWEGEDILDRSSELIYTGEMAWIYQPYGRNQQRVFFLFDHQMVLC KKDLIRRDILYYKGRIDMDKYEVVDIEDGRDDDFNVSMKNAFKLHNKETEEIHLFFAKKLEEKIRWLRAF REERKMVQEDEKIGFEISENQKRQAAMTVRKVPKQKGVNSARSVPPSYPPPQDPLNHGQYLVPDGIAQSQ VFEFTEPKRSQSPFWQNFSRLTPFKK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_056000
RefSeq Size:	5413
RefSeq ORF:	1548

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Synonyms: COLLYBISTIN; DEE8; EIEE8; HPEM-2; PEM-2; PEM2

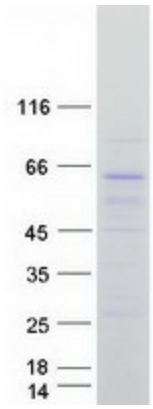
Locus ID: 23229

UniProt ID: O43307

Cytogenetics: Xq11.1

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 receceptor recruitement in GABAnergic 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]).