

Product datasheet for **TP327365**

MyoGEF (PLEKHG6) (NM_001144857) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pleckstrin homology domain containing, family G (with RhoGef domain) member 6 (PLEKHG6), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC227365 representing NM_001144857 Red =Cloning site Green =Tags(s)

MGCR LHAPGEKAAHDPSRRRLQQYVPFARGSGQARGLSPMRLRDPEPEKRHGGHVGAGLLHSPKLKELTK
AHELEVRLHTFSMFGMPRLPPEDRRHWEIGEGGDSGLTIEKSWRELVPGHKEMSQELCHQQEALWELLTT
ELIYVRKLKIMTDLLAAGLLNLQRVGLLMEVSAETLFGNVP SLIRTHRSFWDEV LGPTLEETRASGQPLD
PIGLQSGFLT FGQRFHPYVQYCLRVKQTMAYAREQQETNPLFAFVQWCEKHKRSGRQMLCDLLIKPHQR
ITKYPLLLHAVLKRSPEARAQEALNAMIEAVESFLRHINGQVRQGEEQESLAAAAQRIGPYEVLEPPSDE
VEKNLRPFSTDLTSPMLGVASEHTRQLLLEG PVRVKEGREGKLDVYFLFSDVLLVTKPQRKADKAKVI
RPPLMLEKLV CQPLRDPNSFLLIHLTEFCVSSALLVHCPSP TDRAQWLEKTQQAQAAALQKLKAE EYVQQ
KRELLTLYRDQDRESPSTRPSTPSLEGSQSSAEGRTPEFSTIIPHLVVTEDTDEDAPLVPDDTSDSGYGT
LIPGTPTGSRSPLSRLRQALRRDPRLTFSTLELRDI LRPHPPDPQAPQRRSAPELPEGILKGGSLPQE
DPPTWSEEDGASERGNVWETLHRARLRGQLPSSPTHADSAGESPWESSGEEEEEGPLFLKAGHTSLRP
MRAEDMLREIREELASQRIEGAEEPRDSRPRKLTRAQLQRMRGPHIIQLDTPLSASEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

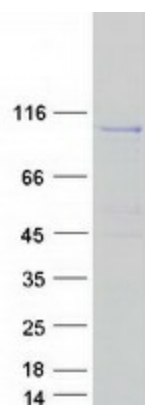
Tag:	C-Myc/DDK
Predicted MW:	85.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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_001138329
Locus ID:	55200
UniProt ID:	Q3KR16
Cytogenetics:	12p13.31
RefSeq ORF:	2274
Synonyms:	MyoGEF
Summary:	Guanine nucleotide exchange factor activating the small GTPase RHOA, which, in turn, induces myosin filament formation. Also activates RHOG. Does not activate RAC1, or to a much lower extent than RHOA and RHOG. Part of a functional unit, involving PLEKHG6, MYH10 and RHOA, at the cleavage furrow to advance furrow ingression during cytokinesis. In epithelial cells, required for the formation of microvilli and membrane ruffles on the apical pole. Along with EZR, required for normal macropinocytosis.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified PLEKHG6 protein (Cat# TP327365). The protein was produced from HEK293T cells transfected with PLEKHG6 cDNA clone (Cat# [RC227365]) using MegaTran 2.0 (Cat# [TT210002]).