

Product datasheet for TP522774

Ripor2 (NM_029679) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RHO family interacting cell polarization regulator 2 (Ripor2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222774 representing NM_029679 Red=Cloning site Green=Tags(s) MPPGTKRLRALGAFSAGLPTRLPEIMLVGSQSFSPPGGPNGIIRSQSFAGFSGLQERRSRCNSFIENASAL KKPQAKLKKMHNHGHKNNNTPKPQPKRVEEVYRALKNGLDEYLEFHQTLDKLTALQKDMKRNSRLG VL YDLQKQIKTIERYMRRLEFHISKVDELYEAYCIQRRQLDGASKMKQAFATSPASKAARESLSEINRSYKE YTENMCAIEAELESLLGEFSIKMKGLAGFARLCPGDQYEIFMKYGRQRWKLKGKIEVNGKQSWDGAETVF LPLIVGFISIKVTELKGLATHILVGSVTCETKELFAARPQVAVDINDLGTIKLNLEITWYPFDVEDTTP SSGPGNKTAALQRRMSMYSQGTPTPTFKDQSFFRWLRLSVLSALRDTFFATLHHNHVSGDLPSSLNPK ALLEFYSNLPDDIFESGKAAEEKRPLSLSFSDLQDGDVFTSSSATSPSSSHSAHPEITITPAELTHSSL SSQNEGTESSASSRNSLGEDHEPKSHPKSDTVEPGKPGVATRSGETSLFLESSVAEALLQESDEASEL KPVELDTFEGNITKQLVKRLTSAEGPVTTDKLFFEGSVGSESEAGRSFLDGSLEDAFNGLFLALDPHKKQ YKEFQDLNQEVTHLDDVLCKCPAGSRSSSLSTVESALESFDFLNTSDFDEEEEDGDDVCHVGGGADS VFSDTETEKSGYRSVHPEARGHLSEALTEDTGVGTSVAGSPLPTTGNESLDITIVKHLQYCTQLIQQIV FSSKTPFVARSLLEKLSRQVLVMQKLAASDENLGNITSVVEAIEFHHKLSLLAFWTKCCSPSGVYHSS AARLIQLEASFARSINKDYPGLAEPVFRTLVSQILDRAEPLSSSLSEVITVFQYYSFFTSHGVSDLE TYLQQLTRQVAMVQTLQSLRDEKLLQTMSDLAPSNLPAQQEVLRLALLLTRDDNEVSEAVTLYLAAASK NEHFREKALLYCEALTKANLQLQKAACLALKSLEATESIKMLVTLQCQSDTEEIRTVASETLLSLGEDGR LAYEQLDKFPKDCVKVGGRGHTEVATAF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	119 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining


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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
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 after receiving vials.
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_083955
Locus ID:	193385
UniProt ID:	Q80U16
RefSeq Size:	5598
Cytogenetics:	13 A3.1
RefSeq ORF:	3234
Synonyms:	1700108N18Rik; 6330500D04Rik; AI225904; E430013J17Rik; Fam65b; RP23-461O24.1
Summary:	Acts as an inhibitor of the small GTPase RHOA and plays several roles in the regulation of myoblast and hair cell differentiation, lymphocyte T proliferation and neutrophil polarization (PubMed:25588844, PubMed:27269051). Plays a role in fetal mononuclear myoblast differentiation by promoting filopodia and myotube formation (PubMed:17150207). Maintains naive T lymphocytes in a quiescent state and prevents chemokine-induced T lymphocyte responses, such as cell adhesion, polarization and migration (By similarity). Involved also in the regulation of neutrophil polarization, chemotaxis and adhesion (PubMed:25588844). Required for normal development of inner and outer hair cell stereocilia within the cochlea of the inner ear (PubMed:27269051). Plays a role for maintaining the structural organization of the basal domain of stereocilia (PubMed:27269051). Involved in mechanosensory hair cell function (PubMed:27269051). Required for normal hearing (PubMed:27269051).[UniProtKB/Swiss-Prot Function]