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Product datasheet for TP520368

Grb14 (NM_016719) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse growth factor receptor bound protein 14 (Grb14), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR220368 protein sequence Red=Cloning site Green=Tags(s) MTTSLQDGQSAAGRAGAQDSPLAVQVCRVAQGKGDAQDPAQVPGLHALSPASDATLRGAIDRRKMKDLDV LEKPPIPNPFPELCCSPLTSVLSAGLFPRANSRKKQVIKVYSEDETSRALEVPSDITARDVCQLLILKNH YVDDNSWTLFEHLSHIGLERTVEDHELPTEVLSHWGVEEDNKLYLRKNYAKYEFFKNPMYFFPEHMVSFA AEMNGDRSPTQILQVFLSSSTYPEIHGFLHAKEQGKKSWKKAYFFLRRSGLYFSTKGTSKEPRHLQLFSE FSTSHVYMSLAGKKKHGAPTPYGFCLKPNKAGGPRDLKMLCAEEEQSRTCWVTAIRLLKDGMQLYQNYMH PYQGRSACNSQSMSPMRSVSENSLVAMDFSGEKSRVIDNPTEALSVAVEEGLAWRKKGCLRLGNHGSPSA PSQSSAVNMALHRSQPWFHHRISRDEAQRLIIRQGPVDGVFLVRDSQSNPRTFVLSMSHGQKIKHYQIIP VEDDGELFHTLDDGHTKFTDLIQLVEFYQLNRGVLPCKLKHYCARMAV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	60.6 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
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_057928

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Locus ID:	50915
UniProt ID:	Q9JLM9, A2ASX2
RefSeq Size:	1978
Cytogenetics:	2 C1.3
RefSeq ORF:	1617
Synonyms:	AI505286
Summary:	Adapter protein which modulates coupling of cell surface receptor kinases with specific signaling pathways. Binds to, and suppresses signals from, the activated insulin receptor (INSR). Potent inhibitor of insulin-stimulated MAPK3 phosphorylation. Plays a critical role regulating PDPK1 membrane translocation in response to insulin stimulation and serves as an adapter protein to recruit PDPK1 to activated insulin receptor, thus promoting PKB/AKT1 phosphorylation and transduction of the insulin signal (By similarity).[UniProtKB/Swiss-Prot Function]