

Product datasheet for **TP508570**

Grb7 (NM_010346) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse growth factor receptor bound protein 7 (Grb7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208570 protein sequence Red =Cloning site Green =Tags(s)

MELDLSPTHLSSSPEDVCPTPATPPETPPPPDNPPPGDVKRSQPLPIPSSRKLREEEFQATSLPSIPNPF
 PELCSPPSQKPIILGGSSGARGLLPRDSSRLCVVKVYSEDGACRSVEVAAGATARHVCEMLVQRAHALSDE
 SWGLVESHPYLALERGLEDFEFVVEVQEAWPVGGDSRFIFRKNFAKYELFKSPHTLFPEKMVSSCLDAQ
 TGISHEDLIQNFLNAGSFPEIQGFLQLRGSGRGSRKLRWKRFFCFLRRSGLYSTKGTSKDPRHLQYVAD
 VNESNVYVVTQGRKLYGMPTDFGFCVKPNKLRNGHKGLHIFCSEDEQSRTCWLAARLFKYGVQLYKNYQ
 QAQSRHLRLSYLGSPPRLRSVSDNTLVAMDFSGHAGRVIDNPREALSAAMEEAQAWRKKTNHRLSLPTTCS
 GSSLAAIHRTQPWFHGRISREESQRLIGQQGLVDGVFLVRESQRNPQGFVLSLCHLQKVKHYLILPSED
 EGCLYFSMDEGQTRFTDLLQLVEFHQLNRGILPCLLRHCCARVAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	60 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:	<u>NP_034476</u>



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Locus ID: 14786

UniProt ID: [Q03160](#)

RefSeq Size: 2413

Cytogenetics: 11 61.75 cM

RefSeq ORF: 1608

Synonyms: mKIAA4028

Summary: Adapter protein that interacts with the cytoplasmic domain of numerous receptor kinases and modulates down-stream signaling. Promotes activation of down-stream protein kinases, including STAT3, AKT1, MAPK1 and/or MAPK3. Promotes activation of HRAS. Plays a role in signal transduction in response to EGF. Plays a role in the regulation of cell proliferation and cell migration (By similarity). Plays a role in the assembly and stability of RNA stress granules. Binds to the 5'UTR of target mRNA molecules and represses translation of target mRNA species, when not phosphorylated. Phosphorylation impairs RNA binding and promotes stress granule disassembly during recovery after cellular stress.[UniProtKB/Swiss-Prot Function]