

Product datasheet for **TP519092**

Dock8 (NM_028785) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse dedicator of cytokinesis 8 (Dock8), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T



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Expression cDNA Clone >MR219092 representing NM_028785
or AA Sequence: Red=Cloning site Green=Tags(s)

MATLPSAERRAFALKINRYSSSEIRKQFTLPPNLGQYHRHSISTSGFPSLQLPQLYEPVEPVDFEGLVMT
 HLNSLDAELAQELGDLTDDDLHVAFTPKCERTLQHSLEPEGVELDPHVRDCVQTYIREWLIVNRKNQGSS
 EFCSEKKTGSRDFQKTLQKQTFESETLECSEPDTQTGPRHPLNVLCDVSGKGPLTSCDFDLRSLQPDER
 LENLLQLVSAEDFEKEKEEARKTNRPAELFALYPPVDEEDAVEIRPVPECPKEHLGNRILVKVLTLKFEI
 EIEPLFASIALYDVKERKKISENFHCDLNSDQFKGFLRAHTPSIDPSSQARSASFVSVTPSSDIYLVVKI
 EKVLQQGEIADCAEPMIIEKSDGGKSKEKVEKLLQAESFCQRLGKYRMPFAWAPISLASSFNISTLER
 ESTDVEPGVGRNSVGEKRSLSQSRPSERTLSLEENGVGSNFKATTLATNIFFKQEGDRLSDEDLKFFLA
 DYKRSSSLQRRVKSIPGSLRLEISPAPDVMNCCLTPEMLPVKPFENRTRPHKEILEFPIREVVYPHTVY
 RNLLYVYPQRLNFASKLASARNITIKIQFMCGEDPSNAMPVIFGKSSGPEFLQEVYTAITYHNKSPDFYE
 EVKIKLPAKLTVNHLLFTFYHISCQQKQGASGESLLGYSWLPILLNERLQTGSYCLPVALEKLPPNYSI
 HSAEKVPLQNPPIKWAEGHKGVFNIEVQAVSSVHTQDNHLEKFFTLCHSLESQVSFPIRVLDQKITESTL
 EHELKLSIICLNSSRLEPLVFLHLVLDKLFQLSVQPMVIAGQTANFSQFAFESVVAIANSLHNSKDLRK
 DQHGRNCLLASVHYVFRLELHRDTSKSGGPITVVPDPRYHTYGRTSAAAVSSKLMQARVMSSSNPDLT
 GSHCAADEEVKNIMSSKIADRNCRMSYCSGNSDAPGSTAAPRPVSKKHFHEELALQMVVSTGVVRET
 FKYAWFFFELLVKMAQYVHNLDKRDSFRRTFRSDRFKDDITTIVNVVTSEIAALLVKPQKESEQAEGIN
 ISLAFFLYDLLSIMDRGFVFNLIKHYCSQLSAKLNILPTLISMRLFLRILCSHEHYLNLLFMNTDTA
 PASPCPSSISSQSSSCSFQDQKIASMFDLTPEYRQQHFLTGLLFTELAVALDAEGDGISRVQRKAVSAI
 HSLLCSHDLDPRCRKPEVKVIAALYLPLVGIILDALPQLYDFTDARSGRSRASGSYEEQDVANGINQNV
 ALAIAGNHFNKTSGAMLSSLPYKQYNMLNADTTRHLMICFLWIMKNADQSLIRKWIADLPSMQLNRILD
 LLFICVSCFEYKQSSDKVSNQVLQKSRDVKAKLEEALLRGEARGEMMRRRIPGTDRFPGINENLRWR
 KEQTQWRQANEKLDKTKAELDQEALISGNLATEANLIILDMQENIIQASSALDCKDSSLGGVLRVLSL
 SCDQSTTYLTHCFATLRALIAKFGDLLFEEEMEQCADLCQRVLHHCSSMDVTRSQACATLYLLMRFSG
 ATSNFARVKMQVTMALASLVGKAPDFNEEHLRSLRILAYSEEDTAMQTTFFPMQVEELLCNLNSILYD
 TVKMRFEQEDPEMLMDLMYRIAKSYQASPDRLTLWLQNMAEKHTKKKCFTEAAMCLVHAAALVAEYLSML
 EDHSYLPVGSVSFQNISSNVLEESAVSDDTLSPDEDGVCSGRYFTESGLVGLLEQAELFSTGGLYETVN
 EVYKLVIPILEAHRDFRKLSTHDKLQKAFDNIINKDHKRMFGTYFRVGFYGSRFGDLDEQEFVYKEPAI
 TKLPEISHRLEGFYGCFCGAEFVEVIKDSTPVDKTKLDPNKAYIQITFVEPYFDEYEMKDRVTFEKNFN
 LRRFMYTTPFTLEGRPRGELHEQHRRNTVLTMMHAFPIKTRIRVSQKEEFVLTPIEVAIEDMKKKTLQL
 AVATHQEPDAKMLQMVQLQGSVGTATVNGQPLEVAQVFLAEIPADPKLYRHHNKLRLCFKEFIMRCGEAVE
 KNRRRLITAEQREYQQLKKNYNKLRDSLRLMIERKIPELYKPIFRVDSQKRDSFHRSSFRKCTQLSQGS

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 239.4 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

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| 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_083061 |
| Locus ID: | 76088 |
| UniProt ID: | Q8C147 |
| RefSeq Size: | 7810 |
| Cytogenetics: | 19 B |
| RefSeq ORF: | 6300 |
| Synonyms: | 1200017A24Rik; 5830472H07Rik; A130095G14Rik; AI461977 |
| Summary: | Guanine nucleotide exchange factor (GEF) which specifically activates small GTPase CDC42 by exchanging bound GDP for free GTP (PubMed:28028151, PubMed:22461490). During immune responses, required for interstitial dendritic cell (DC) migration by locally activating CDC42 at the leading edge membrane of DC (PubMed:22461490, PubMed:25713392). Required for CD4(+) T-cell migration in response to chemokine stimulation by promoting CDC42 activation at T cell leading edge membrane (PubMed:28028151). Is involved in NK cell cytotoxicity controlling polarization of microtubule-organizing center (MTOC), and possibly regulating CCDC88B-mediated lytic granule transport to MTOC during cell killing (By similarity).[UniProtKB/Swiss-Prot Function] |