

Product datasheet for TP515994

Diaph1 (NM_007858) Mouse Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse diaphanous related formin 1 (Diaph1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR215994 representing NM_007858 Red=Cloning site Green=Tags(s) |

MEPSGGGLGPRGTRDKKKGRSPDELPATGGDGGKHKKFLERFTSMRIKKEKEKPNSAHRNSSASYGDDP
TAQSLQDISDEQVLVLFQMLVDMNLNNEEKQQPLREKDIVIKREMVSQYLHTSKAGMNQKESSRSAMMYI
QELRSGLRDMHLLSCLESLRVSLNPNVSWVQTFGAEGLASLLDILKRLHDEKEETSGNYDSRNQHEIIR
CLKAFMNNKFGIKTMLETEGILLVRAMPVAVPNMMIDAAKLLSALCILPQPEDMNERVLEAMTERAEM
DEVERFQPLLDGLKSGTSIALKVGCLQLINALITPAEELDFRVHIRSELMRLGLHQVLQELREIENEDMK
VQLCVFDEQGDDEFFDLKGRLLDDIRMEMDDDFGEVFIILNNTVKDSKAEPHFLSILQHLLLVNRNDYEARPQ
YYKLIIECVSQIVLHKNGTDPDFKCRHLQIDIERLVDQMIDKTKVEKSEAKATELEKKLDSELTARHELQ
VEMKKMENDFEQKLQDLQGEKDALDSEKQQITAQKQDLEAEVSKLTGEVAKLSKELEDAKNEMASLSAVV
VAPSVSSAAVPPAPPLPGDSGTVIPPPPPPPPLPGGVVPPSPPLPPGTCIPPPPPPLPGGACIPPPQPLP
GSAAIPPPPPLPGVASIPPPPLPGATAIPPPPPPLPGATAIPPPPPPLGGTGIPPPPPPLPGSVGVPPPP
PLPGGPGLPPPPPPFPGAPGIPPPPPGMGVPPPPPPFGFGVPAAPVLPFGLTPKKVKYKPEVQLRRPNWSKF
VAEDLSQDCFWTKVKEDRFENNELFAKLTAFSAQTKTSKAKKDQEGGEEKSVQKKVKELKVLDSKTA
QNLSIFLGSFRMPYQEIKNVILEVNEAVLTESMIQNLIKQMPEPEQLKMLSELKEEYDDLAESEQFGVVM
GTVPRLRPRLNAILFKLQFSEQVENIKPEIVSVTAACEELRKSENFSSLELTLVGNYMNAGSRNAGAF
GFNISFLCKLRDTKSADQKMTLLHFLAELCENDHPEVLKFPDELAHVEKASRVSANLQKSLDQMKKQIA
DVERDVQNFPAATDEKDKFVEKMTSFVKDAQEQYNKLRMMHSNMETLYKELGDYFVFDPKKLSVEEFFMD
LHNFRNMFLQAVKENQKRRETEEMRRAKLAKEKAERLEKQQKREQLIDMNAEGDETGVMDSLLEALQ
SGAAFRKRGRQVNRKAGCAVTSLLASELTKDDAMAPGPVKVPKSEGVPTILEEAKELVGRAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-MYC/DDK |
| Predicted MW: | 139.3 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |



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| | |
|----------------------|---|
| 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_031884 |
| Locus ID: | 13367 |
| UniProt ID: | O08808 |
| RefSeq Size: | 5666 |
| Cytogenetics: | 18 19.71 cM |
| RefSeq ORF: | 3765 |
| Synonyms: | D18Wsu154; D18Wsu154e; Di; Dia1; Diap1; Drf; Drf1; mDi; p140m; p140mDia |
| Summary: | <p>This gene encodes a member of the formin family of proteins that play important roles in cytoskeletal rearrangement by nucleation of actin filaments. Mice lacking the encoded protein develop age-dependent myeloproliferative defects resembling human myeloproliferative syndrome and myelodysplastic syndromes. Trafficking of T lymphocytes to secondary lymphoid organs and egression of thymocytes from the thymus are impaired in these animals. Lack of the encoded protein in T lymphocytes and thymocytes also reduces chemotaxis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2016]</p> |