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Product datasheet for TP517068

Ccdc25 (NM_145944) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse coiled-coil domain containing 25 (Ccdc25), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR217068 representing NM_145944 Red=Cloning site Green=Tags(s) MVFYFTSSSVNSSTYTIYMGKDKYENEDLIKYGWPEDIWFHVDKLSSAHVYLRLQKGEKIEDIPKEVLMD CAHLVKANSIQGCKMNNVNVVYTPWSNLKKTADMDVGQIGFHRQKDVKIVTVEKKVNEILNRLEKTKLEK FPDLAAEKEGRDREERNEKKAQIQEMKRKEKEEMKKKREMDELRSYSSLMKVENMSSNQDGNDSDEFM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	24.9 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_666056
Locus ID:	67179
UniProt ID:	Q78PG9, A0PK78
RefSeq Size:	2228
Cytogenetics:	14 D1

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RefSeq ORF: 624

Synonyms: 2610528H13Rik; NSrp70

Summary: Transmembrane receptor that senses neutrophil extracellular traps (NETs) and triggers the ILK-PARVB pathway to enhance cell motility. NETs are mainly composed of DNA fibers and are released by neutrophils to bind pathogens during inflammation (By similarity). Formation of NETs is also associated with cancer metastasis, NET-DNA acting as a chemotactic factor to attract cancer cells (By similarity). Specifically binds NETs on its extracellular region, in particular the 8-OHdG-enriched DNA present in NETs, and recruits ILK, initiating the ILK-PARVB cascade to induce cytoskeleton rearrangement and directional migration of cells (By similarity). In the context of cancer, promotes cancer metastasis by sensing NETs and promoting migration of tumor cells (By similarity).[UniProtKB/Swiss-Prot Function]