OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC210501

Ccdc25 (NM_145944) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc25 (NM_145944) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc25
Synonyms:	2610528H13Rik; NSrp70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210501 representing NM_145944 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTGTTCTACTTCACCAGCAGCAGCGTTAATTCATCTACTTACACTATTTACATGGGAAAGGATAAAT ATGAAAATGAAGATCTGATAAAGTATGGCTGGCCTGAAGATATTTGGTTTCACGTGGACAAACTCTCTTC GGCCCATGTGTACCTACGATTACAAAAGGGAGAGAAGATAGAAGACATTCCAAAGGAGGTTTTGATGGAC TGTGCCCACCTTGTGAAGGCCAATAGCATTCAAGGCTGCAAGATGAACAACGTTAATGTGGTTTACACGC CATGGTCTAACCTGAAGAAAACAGCTGACATGGATGTGGGGCAGATAGGCTTTCACAGGCAGAAGGATGT AAAGATTGTGACGGTAGAGAAGAAAGTGAATGAAATCTTGAACCGATTAGAAAAGACCAAACTGGAGAAG TTTCCAGACCTTGCAGCAGAGAAGGAAGGCAGAGACCGTGAAGAGAGGAATGAGAAGAAAGCCCAGATTC AGGAGATGAAAAGGAAAGAGAAAGAAGAAATGAAGAAGAAAAGGGAAATGGATGAACTTAGGAGCTACTC ATCACTCATGAAAGTTGAGAATATGTCCTCAAATCAAGATGGTAACGATTCCGATGAGTTCATGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_145944
Insert Size:	627 bp

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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_145944.4, NP_666056.1
RefSeq Size:	2228 bp
RefSeq ORF:	627 bp
Locus ID:	67179
UniProt ID:	Q78PG9
Cytogenetics:	14 D1
Gene 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]