

Product datasheet for **AR51092PU-S**

CCDC25 (1-208, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CCDC25 (1-208, His-tag) human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMVFYFTS SSVNSSAYTI YMGKDKYENE DLIKHGWPED IWFHVDKLSS AHVYLRLHKG ENIEDIPKEV LMDCAHLVKA NSIQGCKMNN VNVVYTPWSN LKKTADMVVG QIGFHRQKDV KIVTVEKKVN EILNRLEKTK VERFPDLAAE KECRDREERN EKKAQIQEMK KREKEEMKKK REMDELRSYS SLMKVENMSS NQDGNDSDEF M
Tag:	His-tag
Predicted MW:	26.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001291458
Locus ID:	55246
UniProt ID:	Q86WR0 , G3V121
Cytogenetics:	8p21.1



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Summary:

Transmembrane receptor that senses neutrophil extracellular traps (NETs) and triggers the ILK-PARVB pathway to enhance cell motility (PubMed:32528174). NETs are mainly composed of DNA fibers and are released by neutrophils to bind pathogens during inflammation (PubMed:32528174). Formation of NETs is also associated with cancer metastasis, NET-DNA acting as a chemotactic factor to attract cancer cells (PubMed:32528174). 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 (PubMed:32528174). In the context of cancer, promotes cancer metastasis by sensing NETs and promoting migration of tumor cells (PubMed:32528174). [UniProtKB/Swiss-Prot Function]

Product images: