

Recombinant Human CCDC42, His-tagged

Cat. No. CCDC42-10800H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCDC42 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-164a.a.+239-316a.a.
Description	The protein encoded by this gene is an endogenous calpain (calcium-dependent cysteine protease) inhibitor. It consists of an N-terminal domain L and four repetitive calpain-inhibition domains (domains 1-4), and it is involved in the proteolysis of amyloid precursor protein. The calpain/calpastatin system is involved in numerous membrane fusion events, such as neural vesicle exocytosis and platelet and red-cell aggregation. The encoded protein is also thought to affect the expression levels of genes encoding structural or regulatory proteins. Alternatively spliced transcript variants encoding different isoforms have been described.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	CCDC42 coiled-coil domain containing 42 [Homo sapiens]
Official Symbol	CCDC42
Synonyms	CCDC42; coiled-coil domain containing 42; coiled-coil domain-containing protein 42A; CCDC42A; FLJ32734;
Gene ID	146849
mRNA Refseq	NM_001158261
Protein Refseq	NP_001151733
UniProt ID	Q96M95
Chromosome Location	17p13.1

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