Recombinant Human CCDC56, GST-tagged

Cat. No. CCDC56-10809H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCDC56 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-106a.a.
Description	The scaffolding protein encoded by this gene is the main component of the caveolae plasma membranes found in most cell types. The protein links integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. The gene is a tumor suppressor gene candidate and a negative regulator of the Ras-p42/44 mitogen-activated kinase cascade. Caveolin 1 and caveolin 2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. Mutations in this gene have been associated with Berardinelli-Seip congenital lipodystrophy. Alternatively spliced transcripts encode alpha and beta isoforms of caveolin 1.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

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GENE INFORMATION

Gene Name	COA3 cytochrome c oxidase assembly factor 3 [Homo sapiens]
Official Symbol	COA3
Synonyms	CCDC56; HSPC009; MITRAC12; cytochrome c oxidase assembly protein 3 homolog, mitochondrial; coiled-coil domain-containing protein 56; cytochrome C oxidase assembly factor 3 homolog, mitochondrial; mitochondrial translation regulation assembly intermediate of cytochrome c oxidase protein of 12 kDa; COA3
Gene ID	28958
mRNA Refseq	NM_001040431.1
Protein Refseq	NP_001035521.1
MIM	614775
UniProt ID	Q9Y2R0
Chromosome Location	17q21

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