

Recombinant Human ECHDC1 protein, GST-tagged

Cat. No. ECHDC1-3746H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ECHDC1 protein(170-301 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	170-301 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	PESKIRFVHKEMGIIPSWGGTTRLVEIIGSRQALKVLSGALKLDSKNALNIGMVEEVLQ SSDETKSLEEAQEWLKQFIQGPPEVIRALKKSVCSGRELYLEEALQNERDLLGTVWG GPANLEAIAKKGKFNK
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name ECHDC1 enoyl CoA hydratase domain containing 1 [Homo sapiens]

Official Symbol ECHDC1

Synonyms ECHDC1; enoyl CoA hydratase domain containing 1; enoyl Coenzyme A hydratase domain containing 1; ethylmalonyl-CoA decarboxylase; dJ351K20.2; methylmalonyl-CoA decarboxylase; enoyl-CoA hydratase domain-containing protein 1; MMCD; FLJ40827; DKFZp762M1110;

Gene ID 55862

mRNA Refseq NM_001002030

Protein Refseq NP_001002030

MIM 612136

UniProt ID Q9NTX5

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