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32-2262: DECR1 Recombinant Protein

Alternative Name : 2,4-dienoyl-CoA reductase,mitochondrial,2,4-dienoyl-CoA reductase [NADPH],4-enoyl-CoA reductase [NADPH],DECR1,DECR,NADPH,SDR18C1.

Description

Source : Escherichia Coli. DECR1 Human Recombinant fused to 21 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 322 amino acids (35-335 a.a.) and having a molecular mass of 34.4kDa. The DECR1 is purified by proprietary chromatographic techniques. DECR1 is a mitochondrial protein which exists as a homotetramer and is a member of a family of short-chain dehydrogenases/reductases. DECR1 acts as an auxiliary enzyme of beta-oxidation andt partakes in the metabolism of unsaturated fatty enoyl-CoA esters. in particular, DECR1 uses NADP+ to catalyze the reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA that can subsequently be used as an intermediate in the Krebs cycle. Furthermore, DECR1 is believed to work as a tumor suppressor, possibly downregulating the expression of Neu and slowing the rate of tumorigenesis.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The DECR1 solution contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MNTEALQSKF FSPLQKAMLP PNSFQGKVAF ITGGGTGLGK GMTTLLSSLG AQCVIASRKM DVLKATAEQI SSQTGNKVHA IQCDVRDPDM VQNTVSELIK VAGHPNIVIN NAAGNFISPT ERLSPNAWKT ITDIVLNGTA FVTLEIGKQL IKAQKGAAFL SITTIYAETG SGFVVPSASA KAGVEAMSKS LAAEWGKYGM RFNVIQPGPI KTKGAFSRLD PTGTFEKEMI GRIPCGRLGT VEELANLAAF LCSDYASWIN GAVIKFDGGE EVLISGEFND LRKVTKEQWD TIEELIRKTK GS.

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