

DECR2 Human

Description: DECR2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 315 amino acids (1-292) and having a molecular mass of 33.2kDa. DECR2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-218

For research use only.

Synonyms: Peroxisomal 2,4-dienoyl-CoA reductase, pDCR, 2,4-dienoyl-CoA reductase 2, DECR2, PDCR, SDR17C1.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MGSMAPPPD VEGDDCLPAY
RHLFCPDLLR DKVAFITGGG SGIGFRIAEI FMRHGCHTVI ASRSLPRVLT AARKLAGATG
RRCLPLSMDV RAPPAVMAAV DQALKEFGRI DILINCAAGN FLCPAGALSF NAFKTVMDID
TSGTFNVSRV LYEKFFRDHG GVIVNITATL GNRGQALQVH AGSAKAAVDA MTRHLAVEWG
PQNIRVNSLA PG

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The DECR2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.15M NaCl and 1mM DTT.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Peroxisomal 2,4-dienoyl-CoA reductase (DECR2) is an supporting enzyme of beta-oxidation. DECR2 partakes in the degradation of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in peroxisome. DECR2 catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA.

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