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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ACSL3 (Human) Recombinant Protein (P01)

Catalog Number: H00002181-P01

Regulation Status: For research use only (RUO)

Product Description: Human ACSL3 full-length ORF (NP_004448.2, 1 a.a. - 720 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MNNHVSSKPSTMKLKHTINPILLYFIHFLISLYTILTYIPF
YFFSESRQEKSNIKAKPVNSKPD SAYRSVNSLDGLA
SVLYPGCDTLDKVFTYAKNKFKNKRLGLTREV LNEED
EVQPNGKIFKKVILGQYNWLSYEDV FVRAFNFNGNLQ
MLGQKPKTNIAIFCETRAEWMI AAQACFMYNFQLVTLV
ATLGGAIVHALNETEVTNIITSKELLQTKLKDIVSLVPR
LRHIITVDGKPP TWSEFPKGII VHTMAAVEALGAKASME
NQPHSKPLPSDIAVIMY TSGSTGLPKGVMISHSNIAGIT
GMAERIPELGEEDVYIGY LPLAHVLELSAELVCLSHGC
RIGYSSPQTLADQSSKIKK GSKGDTSM LKPTLMAAVPE
IMDRIYKNVMNKVSEMSS FQRNLFILAYNYKMEQISKG
RNTPLCDSFVFRKVR SLLGGNIRLL LCGGAPLSATTQR
FMNICCCPVGQGYGLTESAGAGTISEVWDYNTGRV
GAPLVCCEIKLKNWEEGGYFN TDKPHPRGEILIGGQSV
TMGYKNEAKTKADFFEDENGQRWLCTGDIGEFEPD
GCLKIIDRKKDLVKLQAGEYVSLGKVEAALKNLPLVDNI
CAYANSYHSYVIGFVVPNQKELTELARKKGLKGTWEE
LCNSCEMENEVLKVLSEAAISASLEKFEIPVKIRLSPEP
WTPETGLVTD AFKLKRKELKTHYQADIERMYGRK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 106.8

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2181

Gene Symbol: ACSL3

Gene Alias: ACS3, FAFL3, PRO2194

Gene Summary: The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme is highly expressed in brain, and preferentially utilizes myristate, arachidonate, and eicosapentaenoate as substrates. The amino acid sequence of this isozyme is 92% identical to that of rat homolog. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]