

Recombinant Full Length Human FAR2 Protein, GST-tagged

Cat. No. FAR2-4706HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FAR2 full-length ORF (BAB55347.1, 1 a.a. - 515 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	515 amino acids
Description	This gene belongs to the short chain dehydrogenase/reductase superfamily. It encodes a reductase enzyme involved in the first step of wax biosynthesis wherein fatty acids are converted to fatty alcohols. The encoded peroxisomal protein utilizes saturated fatty acids of 16 or 18 carbons as preferred substrates. Alternatively spliced transcript variants have been observed for this gene. Related pseudogenes have been identified on chromosomes 2, 14 and 22. [provided by RefSeq, Nov 2012]
Molecular Mass	85.8 kDa
AA Sequence	MSTIAAFYGGKSILITGATGFLGKVLMEKLFRTSPDLKVIYILVRPKAGQTLQQRV FQIL DSKLF EK VKEVCPNVHEKIRAIYADLNQNDFAISKEDMQELL SCTNIIFHCAATVRFDD TLRHAVQLNVTATRQ LLLMASQMPKLEAFIHISTAYSNCNLKHIDEVIYPCPVEPKKIID SLEWLDDAIIDEITPKLIRDWPNIYTYTKALGEMVVQQESRNLNIAIIRPSIVGATWQEP FPGWVDNINGPNGIIITGKGFLRAIKATPMAVADVIPVDTVNLMLAVGWYTA AHRP KSTLVYHITSGNMNPCNWHKMGVQVLATFEKIPFERPFRRPNANFTS NSFTSQYWN AVSHRAPAIYDCYLRLTGRKPRMTKLMNRLRLTVSMLEYFINRSWEWSTYNTEMLM

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	SELPEDQRVFNFDVRQLNWLEYIENYVLGVKKYLLKEDMAGIPKAKQRLKRLRNIH YLFNTALFLIAWRLLIARSQMARNVWFFIVSFCYKFLSYFRASSTLKV
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FAR2 fatty acyl CoA reductase 2 [Homo sapiens]
Official Symbol	FAR2
Synonyms	MLSTD1; SDR10E2; FAR2; fatty acyl CoA reductase 2
Gene ID	55711
mRNA Refseq	NM_018099
Protein Refseq	NP_060569
MIM	616156
UniProt ID	Q96K12

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