

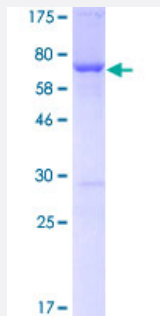
Full-Length

FASN (Human) Recombinant Protein (P01)

Catalog # H00002194-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FASN full-length ORF (AAH07909, 1 a.a. - 439 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSTNDTIVSGTLPQRMASCLEVLDLFLNQPHMVLSSFVLAEKAAAYRDRDSQRDLVEAVAHILGIR
DLAAVNLDSSLADLGLDSLMSVEVRQTLERELNLVLSVREVRQLTLRKLQELSSKADEASELAC
PTPKEDGLAQQQTQLNLRSLLVNPEGPTLMRLNSVQSSERPLFLVHPIEGSTTVFHSLASGLSIPT
YGLQCTRAAPLDSIHSLAAYIDCIRQVQPEGPYRVAGYSYGACVAFEMCSQLQAQQSPAPTHNS
LFLFDGSPTYVLAYTQSYRAKLTPGCEAEAEATEAICFFVQQFTDMEHNRVLEALLPLKGLEERVAA
AVDLIIKSHQGLDRQELSFAARSFYYKLRAAEQYTPKAKYHGNVMLLRRAKTGGAYGEDLGADYNLS
QVCDGKVSVHVIEGDHRTLLEGSGLESIIISIIHSSLAEPVSVREG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.03

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

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.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FASN

Entrez GeneID [2194](#)

GeneBank Accession# [BC007909](#)

Protein Accession# [AAH07909](#)

Gene Name FASN

Gene Alias FAS, MGC14367, MGC15706, OA-519, SDR27X1

Gene Description fatty acid synthase

Omim ID [600212](#)

Gene Ontology [Hyperlink](#)

Gene Summary The enzyme encoded by this gene is a multifunctional protein. Its main function is to catalyze the synthesis of palmitate from acetyl-CoA and malonyl-CoA, in the presence of NADPH, into long-chain saturated fatty acids. In some cancer cell lines, this protein has been found to be fused with estrogen receptor-alpha (ER-alpha), in which the N-terminus of FAS is fused in-frame with the C-terminus of ER-alpha. [provided by RefSeq]

Other Designations short chain dehydrogenase/reductase family 27X, member 1

Pathway

- [Fatty acid biosynthesis](#)

- [Insulin signaling pathway](#)
- [Metabolic pathways](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Obesity](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Weight Gain](#)