

Recombinant Full Length Human FA2H Protein, GST-tagged

Cat. No. FA2H-6921HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length FA2H (1 a.a. - 372 a.a.) fused with GST-tag at N-terminal, was expressed in vitro wheat germ expression system.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	372 amino acids
Description	This gene encodes a protein that catalyzes the synthesis of 2-hydroxysphingolipids, a subset of sphingolipids that contain 2-hydroxy fatty acids. Sphingolipids play roles in many cellular processes and their structural diversity arises from modification of the hydrophobic ceramide moiety, such as by 2-hydroxylation of the N-acyl chain, and the existence of many different head groups. Mutations in this gene have been associated with leukodystrophy dysmyelinating with spastic paraparesis with or without dystonia.
Molecular Mass	69.2 kDa
Applications	ELISA; WB
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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	FA2H fatty acid 2-hydroxylase [Homo sapiens]
Official Symbol	FA2H
Synonyms	FA2H; fatty acid 2-hydroxylase; FAAH; FAH1; SCS7; SPG35; FAXDC1; fatty acid alpha-hydroxylase; fatty acid hydroxylase domain containing 1; spastic paraplegia 35 (autosomal recessive); EC 1.-.-.-; FLJ25287
Gene ID	79152
mRNA Refseq	NM_024306
Protein Refseq	NP_077282
MIM	611026
UniProt ID	Q7L5A8

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