Recombinant Human FA2H, GST-tagged

Cat. No. FA2H-893H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 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	Wheat Germ
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
Sequence	MAPAPPPAASFSPSEVQRRLAAGACWVRRGARLYDLSSFVRHHPGGEQLLRARAG QDISADLDGPPHRHSANARRWLEQYYVGELRGEQQGSMENEPVALEETQKTDPAM EPRFKVVDWDKDLVDWRKPLLWQVGHLGEKYDEWVHQPVTRPIRLFHSDLIEGLSK TVWYSVPIIWVPLVLYLSWSYYRTFAQGNVRLFTSFTTEYTVAVPKSMFPGLFMLGT FLWSLIEYLIHRFLFHMKPPSDSYYLIMLHFVMHGQHHKAPFDGSRLVFPPVPASLVI GVFYLCMQLILPEAVGGTVFAGGLLGYVLYDMTHYYLHFGSPHKGSYLYSLKAHHV KHHFAHQKSGFGISTKLWDYCFHTLTPEKPHLKTQ

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Storagebuffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Applications	ELISA; WB
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
OfficialSymbol	FA2H

GENE INFORMATION

Gene Name	FA2H fatty acid 2-hydroxylase [Homo sapiens]
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
Chromosome Location	16q23
Function	fatty acid alpha-hydroxylase activity; heme binding; iron ion binding

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