Recombinant Human FA2H, MYC/DDK-tagged

Cat. No. FA2H-891H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FA2H fused with C-terminal MYC/DDK, was expressed in HEK293 Cells.
Species	Human
Source	HEK293
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	42.6 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Storage buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Concentration	>50 ug/mL as determined by microplate BCA method
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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Storage	Store at -800C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
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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