

## Product datasheet for PH302093

### FA2H (NM\_024306) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FA2H MS Standard C13 and N15-labeled recombinant protein (NP_077282)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202093
Predicted MW:	42.8 kDa
Protein Sequence:	>RC202093 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAPAPPPAASFSPSEVQRRRLAAGACWVRRGARLYDLSSFVRHHPGGEQLLRARAGQDISADLDGPPHRHS ANARRWLEQYYVGELRGEQQGSMENEPVALEETQKTDPAEMEPRFKVVDWDKDLVDWRKPLLWQVGHLEK YDEWVHQPVTRPIRLFHSDLIEGLSKTVWYSVPIIWWPLVLYLSWSYYRTFAQGNVRLFTSFTTEYTVAV PKSMFPGLFMLGTFLWSLIEYL IHRFLFHMKPPSDSYL IMLHFVMHGQHHKAPFDGSRLVFPPVPASLV IGVFYLCMQLILPEAVGGTVFAGGLLGYVLYDMTHYYLHFSPHKGSYLYSLKAHHVKHHFAHQKSGFGI STKLWDYCFHTLTPEKPHLKTQ  <b>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_077282</a></u>
RefSeq Size:	2450
RefSeq ORF:	1116
Synonyms:	FAAH; FAH1; FAXDC1; SCS7; SPG35
Locus ID:	79152



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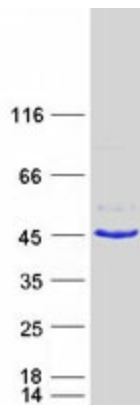
UniProt ID: [Q7L5A8](#)

Cytogenetics: 16q23.1

**Summary:** 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.[provided by RefSeq, Mar 2010]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified FA2H protein (Cat# [TP302093]). The protein was produced from HEK293T cells transfected with FA2H cDNA clone (Cat# [RC202093]) using MegaTran 2.0 (Cat# [TT210002]).