

Recombinant Human AASDH Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AASDH-655H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AASDH MS Standard C13 and N15-labeled recombinant protein (NP_861522) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the non-ribosome peptide syntesase (NRPS) enzyme family. The encoded protein contains an AMP-binding domain, PP-binding (phosphopantetheine, or pantetheine 4'phosphate-binding) domain and the Pyrrolo-quinoline quinon (PQQ) binding domain. The protein is expressed in several adult tissues.
Molecular Mass	122.4 kDa
AA Sequence	MTLQELVHKAASCYMDRVAVCFDECNNQLPVYYTYKTVVNAASELSNLLLLHCDFQ GIREIGLYCQPGIDLPSWILGILQVPAAYVPIEPDSPPSLSTHFMKKCNLKYILVEKKQI NKFKSFHETLLNYDTFTVEHNDLVLFRLHWKNTENVNLMLNDGKEKEYEKEIKSISSEH VNEEKAAEEHMDLRLKHCLAYVLHTSGTTGIPKIVRVPHKCIVPNIQHFRVLFDITQEDV LFLASPLTFDPSVVEIFLALSSGASLLIVPTSVKLLPSKLASVLFSSHRTVLQATPTLL RRFGSQLIKSTVLSATTSLRVLALGGEAFPSLTVLRSWRGEGNKTQIFNVYGITEVSS WATIYRIPEKTLNSTLKCELPVQLGFPLLGTVEVRDNGFTIQEGSGQVFLGGRNR VCFLDDEVTVPLGTM RATGDFVTVKDGEIFFLGRKDSQIKRHGKRLNIELVQQVAEE

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LQQVESCAVTWYNQEKLILFMVSKDASVKEYIFKELQKYLP SHAVPDELVLIDSLPFT
 SHGKIDVSELNKIYLNINLKSENKLSGKEDLWEKLQYLWKSTLNLPEDLLRVPDESL
 FLNSGGDSLKSIRLLSEIEKLVGTSVPGLLEILSSSILEIYNHILQTVVPDEDVTRKSC
 ATKRKLS DINQEEASGTS LHQKAIMTFTCHNEINAFVVL SRGSQILSLNSTRFLT KLGH
 CSSACPSDSVSQTNIQNLKGLNSPVLIGKSKDPSCVAKVSEEGKPAIGTQKMELHVR
 WRSDTGKCV DASPLVVIPTFDKSSTTVYIGSHSHRMKA VDFYSGKVKWEQILGDRIE
 SSACVSKCGNFIVVGCYNGLVYVLKSNSGKEYWMFTTEDAVKSSATMDPTTGLIYIG
 SHDQHAYALDIYRK KCVWKS KCGGT VFSSPCLNLIPHHL YFATLGGLLLAVNPATGN
 VIWKHSCGKPLFSSPQCCSQYICIGCVDGNLLCFTHFGEQVWQFSTSGPIFSSPCTS
 PSEQKIFFGSHDCFIYCCNMKGHLQWK FETTSRVYATPFAFHNYNGSNEMLLAAAS
 TDGK VWILESQSGQLQSVYELPGEVFSSPVVLESMLIIGCRDNYVYCLDLLGGNQKT
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name AASDH aminoadipate-semialdehyde dehydrogenase [Homo sapiens (human)]

Official Symbol AASDH

Synonyms AASDH; aminoadipate-semialdehyde dehydrogenase; acyl-CoA synthetase family

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member 4; ACSF4; acyl CoA synthetase family member 4; LYS2; NRPS998; non-ribosomal peptide synthetase 998; non-ribosomal peptide synthetase 1098; 2-aminoadipic 6-semialdehyde dehydrogenase; NRPS1098;

Gene ID [132949](#)

mRNA Refseq [NM_181806](#)

Protein Refseq [NP_861522](#)

MIM [614365](#)

UniProt ID [Q4L235](#)

SDS-PAGE

