

Product datasheet for TP316923L

AASDH (NM_181806) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human amino adipate-semialdehyde dehydrogenase (AASDH), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216923 representing NM_181806 Red=Cloning site Green=Tags(s)

MTLQELVHKAASCYMDRVAVCFDECNNQLPVYYTYKTVVNAASELSNLFLLHCFDQFGIREIGLYCQPGID
LPSWILGILQVPAAYVPIEPDPSPLSTHFMMKCNLKYILVEKKQINKFKSFHETLLNYDTFTVEHNDLV
LFRLHWKNTENVLMLNDGKEKEYEKEIKISSEHVNEEKAAEHMDLRLKHCLAYVLHTSGTTGIPKIVRV
PHKCIVPNIQHFRVLFITQEDVLFASPLTFDPSVVEIFLALSSGASLLIVPTSVKLLPSKLASVLFSSH
HRVTVLQATPTLLRRFGSQLIKSTVLSATTSLRVLALGGEAFPSLTVLRSWRGEGNKTQIFNVYGITEVS
SWATIYRIPEKTLNSTLKCELPVQLGFLLGTWVEVRDNTNGFTIQEGSGQVFLGGRNRVCFLDDEVTVPL
GTM RATGDFVTVKDG EIFFLGRKDSQIKRHGKRLNIELVQQVAEELQQVESC AVTWYNQEKLILFMVSKD
ASVKEYIFKELQKYLPSHAVPDELVLIDSLPFTSHGKIDVSELNKIYLNINLKS ENKLSGKEDLWEKLQ
YLWKSTLNLPEDLLRVPDESFLNSGGDSLKSIRLLSEIEKLVGTSVPGLEIILSSSILEIYNHILQTV
VPDEDVTRKSCATKRKLS DINQEEASG TSLHQKAIMTFTCHNEINAFVLSRGSQILSLNSTRFLTKLG
HCSSACPSDSVSQTNIQNLKGLNSPVLIGKSKDPSCVAKVSEEGKPAIGTQK MELHVRWRS DTGKCV DAS
PLVVIPTFDKSS TTVYIGSHSRMKAVDFYSGKVKWEQILGDRIESSACVSKCGNFIVGVCYNGLVYVLK
SNSGEKYWMFTTEDAVKSSATMDPTTGLIYIGSHDQHAYALDIYRKKCVWWSKCGGTVFSSPCLNLIPHH
LYFATLG LLLLAVNPATGNVIWKHSCGKPLFSSPQCCSQYICIGCV DGNLLCFTHFGEQVWQFSTSGPIF
SSPCTSPSEQKIFFGSHDCFIYCCNMKGHLQWKFETTSRVYATPFAFHNYNGSNEMLLAAASTDGKVVIL
ESQSGQLQSVYELPGEVFSSPVVLESMLIIGCRDNYVYCLDLLGGNQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

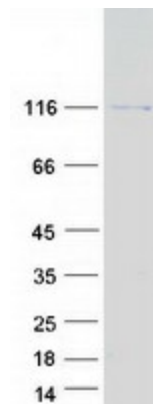
Tag:	C-Myc/DDK
Predicted MW:	122.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_861522
Locus ID:	132949
UniProt ID:	Q4L235 , B4E2K0
RefSeq Size:	3573
Cytogenetics:	4q12
RefSeq ORF:	3294
Synonyms:	ACSF4; LYS2; NRPS998; NRPS1098
Summary:	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. [provided by RefSeq, Apr 2016]
Protein Pathways:	Lysine biosynthesis, Lysine degradation, Metabolic pathways

Product images:



Coomassie blue staining of purified AASDH protein (Cat# [TP316923]). The protein was produced from HEK293T cells transfected with AASDH cDNA clone (Cat# [RC216923]) using MegaTran 2.0 (Cat# [TT210002]).