

Recombinant Human AADAC Protein (24-399 aa), His-SUMO-Myc-tagged

Cat. No. AADAC-2183H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human AADAC Protein (24-399 aa) is produced by E. coli expression system. This protein is fused with a 10xHis-SUMO tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Partial.

Species Human

Source E.coli

ProteinLength 24-399 aa

Description Displays cellular triglyceride lipase activity in liver, increases the levels of intracellular fatty acids derived from the hydrolysis of newly formed triglyceride stores and plays a role in very low-density lipoprotein assembly. Displays serine esterase activity in liver. Deacetylates a variety of arylacetamide substrates, including xenobiotic compounds and procarcinogens, converting them to the primary arylamide compounds and increasing their toxicity.

Form Tris-based buffer,50% glycerol

Molecular Mass 63.1 kDa

AA Sequence PDNVEEPWRMMWINAHLKTIQNLATFVELLGLHHFMDSFKVVGSFDEVPPTSDENV
TVTETKFNILVRVYVPKRKSEALRRGLFYIHGGGWCVGSAALSGYDLLSRWTADRL
DAVVVSTNYRLAPKYHFPIQFEDVYNALRWFLRKKVLAKYGVNPERIGISGDSAGGN

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LAAAVTQQLDDPDVKIKLKIQSLIYPALQPLDVDLPSYQENSNFLFLSKSLMVRFWSEYFTTDRSLEKAMLSRQHVPVESHFLFKFVNWSSLLPERFIKGHVYNNPNYGSSELA
 KKYPGFLDVRAAPLLADDNKLRLPLTYVITCQYDLLRDDGLMYVTRLRNTGVQVTH
 NHVEDGFHGAFSFLGLKISHRLINQYIEWLKENL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [AADAC arylacetamide deacetylase \(esterase\) \[Homo sapiens \]](#)

Official Symbol [AADAC](#)

Synonyms AADAC; arylacetamide deacetylase (esterase); arylacetamide deacetylase; CES5A1; DAC;

Gene ID [13](#)

mRNA Refseq [NM_001086](#)

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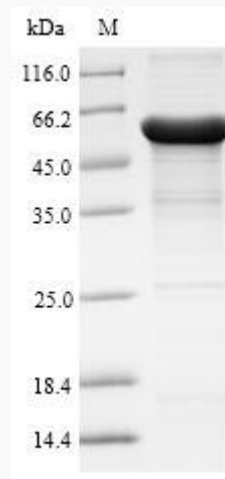
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Protein Refseq NP_001077

MIM 600338

UniProt ID P22760



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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