

## AADAC Protein, Human, Recombinant (His & Myc & SUMO)

### General Information

Synonyms: AADAC;DAC;Arylacetamide deacetylase

Protein Construction: 24-399 aa

Species: Human

Expression Host: E. coli

Accession: P22760

Molecular Weight: 63.1 kDa (predicted)

AA Sequence: PDNVEEPWRMMWINAHLKTIQNLATFVELLGLHHFMDSEKVVGSFDEVPPTSDEENVTVTETKFNNILVRVYV  
PKRKSEALRRGLFYIHGGGWCVGSAAALSGYDLLSRWTADRLDAVVSTNYRLAPKYHFPIQFEDVYNALRWF  
LRKKVLAKYGVNPERIGISGDSAGGNLAAAVTQQLDDPDVKIKLKIQSLIYPALQPLDLDPSYQENSNFLFL  
SKSLMVRFWSEYFTTDRSLEKAMLSRQHVPVESHFLKFNWSSLLPERFIKGHVYNNPNYGSSELAKKYPGF  
LDVRAAPLLADDNKLRLPLTYVITCQYDLLRDDGLMYVTRLRNTGVQVTHNHVEDGFHGAFSFLGLKISHRL  
INQYIEWLKENL

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

## A DRUG SCREENING EXPERT

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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.

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