

Mouse ACO2 / Aconitase 2 Protein (His & GST Tag)

Catalog Number: 51015-M20B



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

Aco-2; Aco3; D10Wsu183e

Protein Construction:

A DNA sequence encoding the mouse ACO2 (Q99KI0) (Gln 28-Gln 780) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

Source: Mouse

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The secreted recombinant mouse ACO2/GST chimera consists of 990 amino acids and has a calculated molecular mass of 110 kDa. The recombinant protein migrates as an approximately 100 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 50mM Tris, 100mM NaCl, 10% gly, 0.5mM GSH, pH 8.0

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

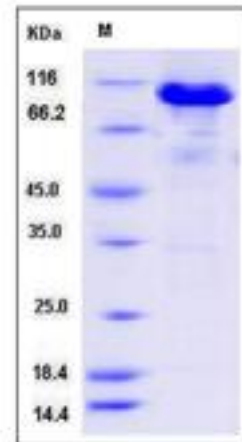
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1. Robbins AH, *et al.* (1989) The structure of aconitase. *Proteins*. 5 (4): 289-312.
2. Lauble H, *et al.* (1992) Crystal structures of aconitase with isocitrate and nitroisocitrate bound. *Biochemistry*. 31 (10): 2735-48.
3. Robbins AH, *et al.* (1989) Structure of activated aconitase: formation of the 4Fe-4S cluster in the crystal. *Proc Natl Acad Sci*. 86 (10): 3639-43.

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