

Human ACYP1 / Acylphosphatase-1 Protein (GST Tag)

Catalog Number: 12578-H09E



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

ACYPE

Protein Construction:

A DNA sequence encoding the human ACYP1 (P07311) (Ala 2-Lys 99) was fused with the GST tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 92 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

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

Predicted N terminal: Met

Molecular Mass:

The recombinant human ACYP1/GST chimera consists of 329 amino acids and has a predicted molecular mass of 38 kDa. It migrates as an approximately 37 kDa band in SDS-PAGE under reducing conditions

Formulation:

Lyophilized from sterile 20mM Tris, 0.15M NaCl, 0.5mM GSH, pH 8.0

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

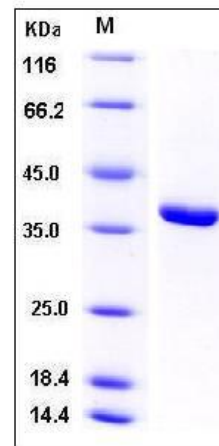
Usage Guide

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.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Protein Description

Acylphosphatase-1, also known as Acylphosphatase, erythrocyte isozyme, Acylphosphatase, organ-common type isozyme, Acylphosphate phosphohydrolase 1 and ACYP1, is protein which belongs to the acylphosphatase family. Acylphosphatase-1 / ACYP1 contains one acylphosphatase-like domain. Acylphosphatase is a small cytosolic enzyme that catalyzes the hydrolysis of the carboxyl-phosphate bond of acylphosphates. Two isoenzymes have been isolated, called muscle acylphosphatase and erythrocyte acylphosphatase, on the basis of their tissue localization. The physiological role of acylphosphatase-1 / aCYP1 is not yet clear.

References

1. Degl'Innocenti, D. et al., 2004, IUBMB Life. 56 (1):29-33.
2. Gribenko A.V., et al., 2009, Proc. Natl. Acad. Sci. USA. 106:2601-2606.
3. Yeung R.C., et al., 2006, Acta Crystallogr. F 62:80-82.
4. Burkard T.R., et al., 2011, BMC Syst. Biol. 5:17-17.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

Fax :+86-10-51029969 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>