

Human MID1IP1 Protein (His Tag)

Catalog Number: 14005-H07E



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

G12-like; MIG12; S14R; STRAIT11499; THRSPL; 3110038L01Rik; Mig12; S14R

Protein Construction:

A DNA sequence encoding the human MID1IP1 (Q9NPA3) (Met1-His183) was expressed with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 85 % 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: His

Molecular Mass:

The recombinant human MID1IP1 consists of 198 amino acids and predicts a molecular mass of 22 KDa. It migrates as an approximately 28 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 50mM Tris, 100mM NaCl, 10% Glycerol, 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:

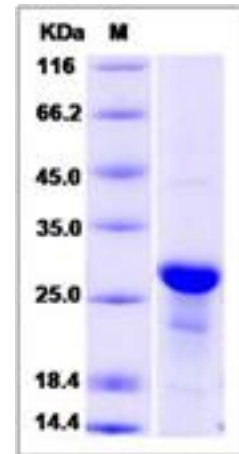
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

MID1IP1 belongs to the SPOT14 family. It is a homodimer in the absence of THRSP. MID1IP1 interacts with ACACA and ACACB. It plays a role in the regulation of lipogenesis in liver. It up-regulates ACACA enzyme activity. MID1IP1 is required for efficient lipid biosynthesis, including triacylglycerol, diacylglycerol and phospholipid. MID1IP1 is involved in stabilization of microtubules. Its interaction with THRSP interferes with ACACA binding.

References

1. Aipoalani DL. et al., 2010, Endocrinology. 151 (5): 2071-7.
2. Colbert CL. et al., 2010, Proc Natl Acad Sci. 107 (44): 18820-5.
3. Inoue J. et al., 2011, Mol Endocrinol. 25 (6): 995-1005.

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>