

Human MAPRE3 / EB3 Protein (His Tag)

Catalog Number: 14614-H07E



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

EB3; EBF3; EBF3-S; RP3; AI790651; EB2; EB3

Protein Construction:

A DNA sequence encoding the human MAPRE3 (Q9UPY8-1) (Met1-Tyr281) was expressed with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 95 % 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 MAPRE3 consists of 296 amino acids and predicts a molecular mass of 33.8 KDa. It migrates as an approximately 34 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, 10% glycerol, pH 7.4.

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:

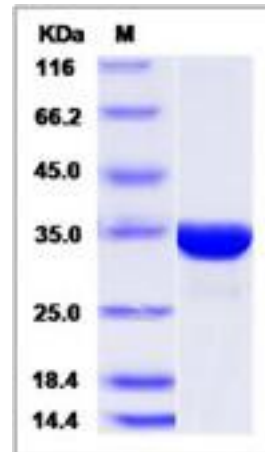
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

MAPRE3, also known as EB3, is a member of the RP/EB family. MAPRE3 localizes to the cytoplasmic microtubule network and binds APCL. MAPRE3 regulates the dynamics of the microtubule cytoskeleton. It also promotes microtubule growth. MAPRE3 may be involved in spindle function by stabilizing microtubules and anchoring them at centrosomes. MAPRE3 may also play a role in cell migration.

References

1. Rual JF. et al., 2005, Nature. 437 (7062): 1173-8.
2. Yeh TY. et al., 2005, J Cell Sci. 118 (15): 3431-43.
3. Mimori-Kiyosue Y. et al., 2005, J Cell Biol. 168 (1): 141-53.

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>