

Human PLS3 / Plastin 3 Protein (His Tag)

Catalog Number: 15042-H07E



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

BMND18; T-plastin; AI115446; AL024105; T-fimbrin

Protein Construction:

A DNA sequence encoding the human PLS3 (P13797) (Gly102-Asn375) 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 PLS3 consists of 289 amino acids and predicts a molecular mass of 32.2 KDa. It migrates as an approximately 30-34 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:

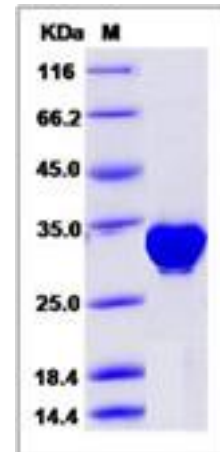
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

PLS3, also known as plastin 3, belongs to the plastin family. Members of this family are actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. There are two ubiquitous plastin isoforms in humans: L and T. The L isoform is expressed only in hemopoietic cell lineages, while the T isoform has been found in all other normal cells of solid tissues that have replicative potential (fibroblasts, endothelial cells, epithelial cells, melanocytes, etc.). PLS3 contains 2 actin-binding domains, 4 CH (calponin-homology) domains and 2 EF-hand domains. It is expressed in a variety of organs, including muscle, brain, uterus and esophagus.

References

1. Lin CS. et al., 1993, J Biol Chem 268 (4): 2781-92.
2. Goldstein D. et al., 1985, Cancer Res. 45 (2): 5643-7.
3. Arpin M. et al., 1995, J Cell Biol. 127 (2): 1995-2008.

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