

Human TMED4 / ERS25 Protein (His Tag)

Catalog Number: 13729-H08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

ERS25; GMP25iso; HNLF; p24alpha3

Protein Construction:

A DNA sequence encoding the human TMED4 (Q7Z7H5-1) (Met1-Arg194) was expressed with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 85 % 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: Leu 30

Molecular Mass:

The recombinant human TMED4 consists of 176 amino acids and predicts a molecular mass of 20.7 KDa. It migrates as an approximately 23 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:

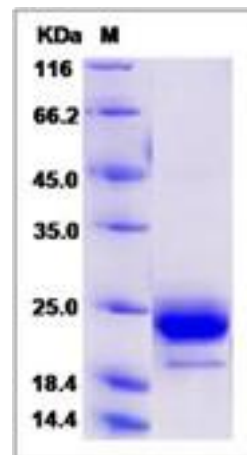
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

TMED4, also known as ERS25, belongs to the EMP24/GP25L family. TMED4 may play a role in the regulation of heat-shock response and apoptosis. It is involved in vesicular protein trafficking, mainly in the early secretory pathway. TMED4 may also play a role in the biosynthesis of secreted cargo including processing. It functions in the regulation of heat-shock response and apoptosis. TMED4 also is involved in endoplasmic reticulum stress response.

References

1.Hartley JL. et al., 2001, Genome Res. 10 (11): 1788-95. 2.Matoba R. et al., 1994, Gene. 146 (2): 199-207. 3.Matsuda A. et al., 2003, Oncogene. 22 (21): 3307-18.

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