

Cynomolgus EWI-F / PTGFRN Protein (His Tag)

Catalog Number: 90276-C08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

PTGFRN

Protein Construction:

A DNA sequence encoding the cynomolgus PTGFRN (H9ERH4) (Met1-Lys830) was expressed with a polyhistidine tag at the C-terminus.

Source: Cynomolgus

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % 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: Val 26

Molecular Mass:

The recombinant cynomolgus PTGFRN comprises 816 amino acids and has a calculated molecular mass of 91.5 KDa. The apparent molecular mass of it is approximately 96-106 KDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, 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:

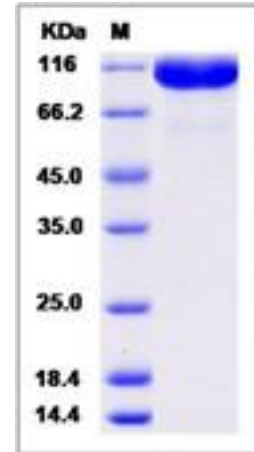
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

EWI-F, also known as PTGFRN, is inversely related to the loss of CD9. Its expression correlates with the metastatic status of hLT (n=55). EWI-F inhibits the binding of prostaglandin F₂-alpha (PGF₂-alpha) to its specific FP receptor, by decreasing the receptor number rather than the affinity constant. EWI-F expression positively correlates with the metastatic status of hLT, and that the upregulation of EWI-F expression could be one of the mechanisms underlying the loss of CD9 in solid tumours.

References

1. Stipp C S. et al., 2001, J Biol Chem. 276 (7): 4853-62. 2. Charrin S. et al., 2001, J Biol Chem. 276 (17): 14329-37. 3. Orlicky DJ. et al., 1996, Hum Genet. 97 (5): 655-8.

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

For US Customer: Fax: 267-657-0217 • Tel: 215-583-7898

Global Customer: Fax :+86-10-5862-8288 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>