

Human EPDR1 Protein (His Tag)

Catalog Number: 13665-H08H



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

EPDR; MERP-1; MERP1; UCC1; AU040950; AV006210; Epd2; Epd2;
MERP-1; MERP-2; MERP2; Ucc1

Protein Construction:

A DNA sequence encoding the human EPDR1 (Q9UM22-1) (Met1-Trp224) with a C-terminal polyhistidine tag was expressed.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: (23.6+72.7) % 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: Ala 38

Molecular Mass:

The recombinant human EPDR1 comprises 198 amino acids and has a predicted molecular mass of 23.2 kDa. The apparent molecular mass of the protein is approximately 31 and 34 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:

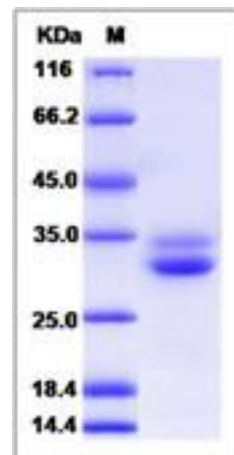
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

EPDR1 is a member of the ependymin family. EPDR1 is a type II transmembrane protein that is similar to two families of cell adhesion molecules, the protocadherins and ependymins. It may play a role in calcium-dependent cell adhesion. EPDR1 is glycosylated, and the orthologous mouse protein is localized to the lysosome. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 8.

References

- 1.Suga T. et al., 2008, Int J Radiat Oncol Biol Phys. 72 (3): 808-13.
- 2.Rose JE. et al., 2010, Mol Med. 16 (7-8): 247-53.
- 3.Cheng W. et al., 2010, J Huazhong Univ Sci Technolog Med Sci. 30 (3): 391-6.

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