10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CD9P1
Catalog # PVGS1905

Specification

CD9P1 - Product Information

Primary Accession Q9WV91

Species
Mouse

Sequence
Arg22-Pro832

Purity
> 95% as determined by Bis-Tris PAGE

Endotoxin Level
Less than 1EU per µg by the LAL method.

Expression System
HEK293

Theoretical Molecular Weight
92.21 kDa

Formulation **Lyophilized from a 0.22 µm filtered solution in PBS, (pH 7.4).**

Reconstitution
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Storage & Stability
Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

CD9P1 - Additional Information

Gene ID 19221

Other Names
Prostaglandin F2 receptor negative regulator, CD9 partner 1, CD9P-1, Glu-Trp-Ile EWI motif-containing protein F, EWI-F, Prostaglandin F2-alpha receptor regulatory protein, Prostaglandin F2-alpha receptor-associated protein, CD315, Ptgfrn, Fprp

Target Background
The membrane protein CD9P-1 is a major component of the tetraspanin web, a network of molecular interactions in the plasma membrane, in which it specifically associates with tetraspanins CD9 and CD81. All CD9P-1 isoforms associate with CD9 leading to additional level of complexity of this primary complex in the tetraspanin web.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CD9P1 - Protein Information

Name Ptgfrn

Synonyms Fprp

Function
Inhibits the binding of prostaglandin F2-alpha (PGF2-alpha) to its specific FP receptor, by decreasing the receptor number rather than the affinity constant. Functional coupling with the prostaglandin F2-alpha receptor seems to occur (By similarity). In myoblasts, associates with tetraspanins CD9 and CD81 to prevent myotube fusion during muscle regeneration.

Cellular Location
Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus, trans-Golgi network membrane; Single-pass type I membrane protein

Tissue Location
Expressed in myoblasts (at protein level).

CD9P1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD9P1 - Images