

CD9P1

Catalog # PVGS1929

Product Information

Primary Accession Species	Q9P2B2 Human
Sequence	Val26-Pro832
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μ g by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	91.55 kDa
Formulation Reconstitution	Lyophilized from a 0.22 μ m filtered solution in PBS, (pH 7.4). Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/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.

Additional Information

Gene ID	5738
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, CD9P1, EWIF, FPRP, KIAA1436
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.

Protein Information

Name	PTGFRN
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Synonyms	CD9P1, EWIF, FPRP, KIAA1436
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 (By similarity).
Cellular Location	Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus, trans-Golgi network membrane; Single-pass type I membrane protein

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.