

Product Data Sheet

FPRP/PTGFRN Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77890
Synonyms:	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; CD_antigen: CD315; CD315
Species:	Mouse
Source:	HEK293
Accession:	Q9WV91 (R22-P832)
Gene ID:	19221
Molecular Weight:	110-120 kDa

PROPERTIES	
Appearance	Solution.
Formulation	Supplied as a 0.22 um filtered solution of PBS_nH 7.4
Fredetonia Long	
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION	
Background	The FPRP/PTGFRN Protein functions as an inhibitor by disrupting the binding of prostaglandin F2-alpha (PGF2-alpha) to it
	suggests functional coupling with the PGF2-alpha receptor. In myoblasts, this protein forms associations with tetraspanin CD9 and CD81, effectively preventing myotube fusion during muscle regeneration. Additionally, FPRP/PTGFRN participate
	in a complex that includes CD9, CD81, and IGSF8. Furthermore, it is likely to interact with other tetraspanins such as CD63, CD82, and CD151. These interactions underscore its regulatory role in cellular processes related to prostaglandin signaling and muscle regeneration.

Caution: Product has not been fully validated for medical applications. For research use only.

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