Recombinant PGFRL protein (His tag)

Catalog Number	548956
Synonyms	PDGFR-like protein; PDGF receptor beta-like tumor suppressor
Species	Human
Expression System	E. coli
Accession	Q15198
Molecular Weight	Predictes a molecular mass of 36.27 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 36 kDa band.

Product Information

Sequence Region	65-375
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 65-375 aa (Q15198) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human PDGFR-like protein (PDGFRL) fragment (aa 65-375), encompassing the complete Ig-like C2-type 2 domain. This high-purity protein serves as an essential research tool for investigating domain-specific functions of this tumor suppressor protein in cellular signaling pathways. The full-length Platelet-derived growth factor receptor-like protein (PDGFRL) functions as a tumor suppressor and shares structural homology with platelet-derived growth factor receptors. According to UniProt annotation, this protein is secreted (SUBCELLULAR LOCATION: Secreted), indicating its role in extracellular signaling and potential involvement in intercellular communication. The PDGFR-like protein is implicated in growth regulation pathways, and its tumor suppressor activity suggests importance in maintaining cellular homeostasis and preventing uncontrolled proliferation.