

Product datasheet for **TP723357**

PDGFC (NM_016205) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human platelet derived growth factor C (PDGFC), transcript variant 1. |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | MVVDLNLTE EVRLYSCTPR NFSVSIREEL KRTDTIFWPG CLLVKRCGGN CACCLHNCNE CQCVPSKVTK KYHEVLQLRP KTGVRGLHKS LTDVALEHHE ECDCVCRGST GG |
| Tag: | Tag Free |
| Predicted MW: | 25 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2 |
| Bioactivity: | Determined by the dose-dependent stimulation of the proliferation of Balb/c 3T3 cells. The expected ED50 for this effect is 15-20 ng/ml. |
| Endotoxin: | Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g) |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_057289 |
| Locus ID: | 56034 |
| UniProt ID: | Q9NRA1 |
| RefSeq Size: | 3007 |
| Cytogenetics: | 4q32.1 |
| RefSeq ORF: | 1035 |
| Synonyms: | FALLOTEIN; SCDGF |



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- Summary:** The protein encoded by this gene is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a core motif of eight cysteines. This gene product appears to form only homodimers. It differs from the platelet-derived growth factor alpha and beta polypeptides in having an unusual N-terminal domain, the CUB domain. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2010]
- Protein Families:** Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells
- Protein Pathways:** Cytokine-cytokine receptor interaction, Focal adhesion, Gap junction, Melanoma, Prostate cancer, Regulation of actin cytoskeleton