Data Sheet (Cat.No.TMPS-00119)

TargetMol

PDGF-DD Protein, Human, Recombinant

General Information

Synonyms: PDGFDD;SCDGF-B;SCDGFB;platelet derived growth factor D;IEGF;MSTP036

Protein Construction: Ser250-Arg370

Species: Human

Expression Host: CHO Cells

Accession: Q9GZP0

Molecular Weight: 19~21 kDa (Reducing conditions)

QC Testing

Biological Activity: ED 50 < 5.0 μg/ml, measured in a cell proliferation assay using 3T3 cells.

Purity: > 95% as determined by SDS-PAGE

Endotoxin: < 0.2 EU/μg of protein as determined by the LAL method.

Formulation: Lyophilized from a 0.2 μm filtered solution in PBS.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

PDGF-DD, also known as platelet-derived growth factor D, IEGF and SCDGFB, is asecreted growth factor belonging to the PDGF/VEGFfamily. It is highly expressed in the heart, pancreas, adrenal glands and ovary. PDGF-DD forms functional homodimers that bind and induce PDGF Rβ homodimers and PDGF Rα/β heterodimers that promote intracellular signaling. This plays an important role in the regulation of cell differentiation, migration and survival. It has also been reported that PDGF-DD can induce monocyte and macrophage recruitment, increase interstitial pressure and facilitate wound healing.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481