

Recombinant Human IGF-1/IGF1 Protein(His Tag)

RPES1563

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES1563

Purity: > 95 % as determined by reducing SDS-PAGE.

Contents: 100µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 0.01 EU per µg of the protein as determined by the LAL method.

Synonyms: IBP1, IGF-I, IGF1, Insulin-Like Growth Factor I, MGF, Mechano Growth Factor, Somatomedin-C

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: E.coli

Bio-Activity: Measure by its ability to induce MCF-7 cells proliferation. The ED50 for this effect is 0.9-3.1ng/mL The, specific activity of recombinant human IGF-I is approximately >1.2x 10³ IU/mg.

Calculated MW: 7.6 kDa

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Observed MW: -

Reconstitution: Please refer to the printed manual for detailed information. Measure by its ability to induce MCF-7 cells proliferation. The ED50 for this effect is

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

0.9-3. 1ng/mL The, specific activity of recombinant human IGF-I is approximately $>1.2 \times 10^3$ IU/mg.

Accession: P05019

Source: E.coli-derived Human IGF-1, IGF1 protein Gly49-Ala118

Sequence: Gly49-Ala118

Form: Lyophilized powder

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Notes: Centrifuge before opening to ensure complete recovery of vial contents.