重组人LR3胰岛素样生长因子(LR3-IGF-I)

LR3 Insulin-Like Growth Factor-I,Human,Recombinant

Cat. No.: MA1315-1 Size: 10μg

Source: E.coli

Description: Recombinant Human LR3 Insulin-Like Growth Factor-I is produced by our E.coli expression system and the target gene encoding Gly49-Ala118 is expressed.

Accession: P05019

Known As: Insulin-Like Growth Factor I; IGF-I; Mechano Growth Factor; MGF; Somatomedin-C; IGF1; IBP1

Predicted Mol Mass: 9.1 KDa

Apparent Mol Mass: 11 KDa, reducing conditions

Endotoxin: < 0.01 EU/μg as determined by LAL test.

Formulation: Lyophilized from a 0.2 μm filtered solution of 20mM NaAc-HAc, 4% Mannitol, pH 4.5.

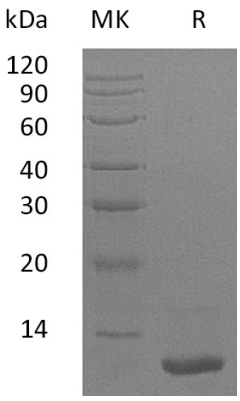
Reconstitution:
Always centrifuge tubes before opening.Do not mix by vortex or pipetting.
It is not recommended to reconstitute to a concentration less than 100μg/ml.
Dissolve the lyophilized protein in 50mM Acetic Acid.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Shipping:
The product is shipped at ambient temperature.
Upon receipt, store it immediately at the temperature listed below.

Storage:
Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt.
Reconstituted protein solution can be stored at 2-8°C for 2-7 days.
Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.

Background: Insulin-like growth factor I (IGF1) belongs to the family of insulin-like growth factors that are structurally homologous to proinsulin. Mature IGFs are generated by proteolytic processing of inactive precursor proteins, which contains the N- and C-terminal propeptide regions. Mature human IGF-I consisting of 70 amino acids has 94% identity with mouse IGF-I and exhibits cross-species activity. IGF-1 binds IGF-IR, IGF-IIR, and the insulin receptor and plays a key role in cell cycle progression, cell proliferation and tumor progression. IGF-1 expression is regulated by growth hormone. R3 IGF-1 is an 83 amino acid analog of IGF-1 comprising the complete human IGF-1 sequence with the substitution of an Arg (R) for the Glu(E) at position three, hence R3, and a 13 amino acid extension peptide at the N terminus. R3 IGF-1 has been produced with the purpose of increasing biological activity. R3 IGF-1 is significantly more potent than human IGF-I in vitro.

Purity-SDS-PAGE:



Greater than 95% as determined by reducing SDS-PAGE.

大连美仑生物技术有限公司
官网:https://www.meilunbio.com/
电话/邮箱:0411-62910999 sales@meilune.com