

Product Name: Recombinant Mouse LR3-IGF-1 (C-6His)
Catalog #: PEM0841

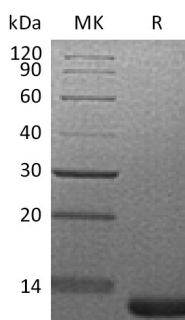


概述 (Summary)

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|-----------------------------|---|
| 英文全称 | LR3 IGF-I/Long R3 IGF-1 |
| 纯度 (Purity) | Greater than 95% as determined by reducing SDS-PAGE |
| 内毒素 (Endotoxin level) | <1 EU/μg as determined by LAL test. |
| 蛋白构建 (Construction) | Recombinant Mouse Insulin-like Growth Factor I is produced by our E.coli expression system and the target gene encoding Gly49-Ala118 is expressed with a 6His tag at the C-terminus. |
| Accession # | P05017 |
| 蛋白标签 (Tag) | |
| 表达宿主 (Host) | E.coli |
| 种属 (Species) | Mouse |
| 预测分子量 (Predicted MW) | 10.2 KDa |
| 蛋白形态 (Form) | Lyophilized from a 0.2 μm filtered solution of 20mM NaAc, pH 4.5. |
| 储存缓冲液 (Buffer) | |
| 运输方式 (Shipping) | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| 稳定性&储存 (Stability &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. |
| 复溶 (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 distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. 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 distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

电泳图 (SDS-PAGE image)

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背景 (Background)

分子别名 (Alternative Names)

IGF1; IGF-1; insulin-like growth factor 1; Insulin-like growth factor I; Somatomedin C; somatomedin-C

背景介绍 (References)

Insulin-like growth factor I (IGF1) belongs to the family of insulin-like growth factors that are structurally homologous to proinsulin. Mouse IGF-I is synthesized as two precursor isoforms with alternate N- and C-terminal propeptides. These isoforms are differentially expressed by various tissues. Mature mouse IGF-I shares 94% and 99% aa sequence identity with human and rat IGF-I, respectively, and exhibits cross-species activity. It shares 60% aa sequence identity with mature mouse IGF-II. IGF-I induces the proliferation, migration, and differentiation of a wide variety of cell types during development and postnatally. It plays an important role in muscle regeneration and tumor progression. IGF-I binds IGF-I R, IGF-II R, and the insulin receptor. IGF-I association with IGF binding proteins increases its plasma half-life and modulates its interactions with receptors.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.