

Recombinant Human LR3 IGF-1 Protein

产品信息

Product Name	Cat#	Size
Recombinant Human LR3 IGF-1 Protein	92210ES60	100µg
	92210ES80	1 mg
	92210ES90	5 mg
	92210ES10	10mg

产品简介

Long R3 IGF-I (LR3 IGF-I) is a 9.2 kDa synthetic analog of IGF-I that is generated by modifying the aa sequence for mature human IGF-I. The LR3IGF-1 is a long-term analog of human IGF-1, specifically designed and manufactured for mammalian cell culture to support large-scale manufacturing of recombinant biopharmaceuticals. LR3 IGF-I, an analogue of insulin-like growth factor (IGF)-I, was used in biopharmaceutical protein production in mammalian cells.

性能参数

Synonyms	LR3 IGF-I, IBP1, IGF1, IGF-1, IGF1A, IGFI, IGF-I, IGF-IA, IGF-IB, MGF
Accession	P05019
GeneID	3479
Source	E.coli-derived human LR3 IGF-1 protein, Gly49-Ala118.
Molecular Weight	Approximately 9.1 kDa.
AA Sequence	MFPAMPLSSL FVNGPRTLGG AELVDALQFV CGDRGFYFNK PTGYGSSSRP APQTGIVDEC CFRSCDLRRL EMYCAPLKPA KSA
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	>96% by SDS-PAGE analyses.
Biological Activity	1. Fully biologically active when compared to standard. Measured in a serum-free cell proliferation assay using human MCF-7 cells. The ED ₅₀ for this effect is 0.3-1.5 ng/mL, corresponding to a specific activity of > 6.7 × 10 ⁵ U/mg. 2. The ED ₅₀ as determined by the stimulation of protein synthesis using rat L6 myoblasts is less than 10 ng/mL, corresponding to a specific activity of > 1.0 × 10 ⁵ U/mg. Fully biologically active when compared to standard.
Endotoxin	< 0.01 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.2.
Reconstitution	Before use this product, please read the direction below carefully. 1. This vial must be briefly centrifuged prior to opening to bring the contents to the

bottom.

2.Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/ml.

Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$.

Further dilutions should be made in appropriate buffered solutions.aliquots and stored at $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

储存条件

The product should be stored at -25°C ~ -15°C for 1 year from date of receipt.

1 month, 2°C ~ 8°C under sterile conditions after reconstitution.

3 months, -25°C ~ -15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

注意事项

1.Please operate with lab coats and disposable gloves,for your safety.

2.This product is for research use only.