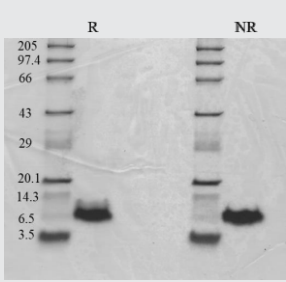


Recombinant Insulin-like Growth Factor 1 (IGF-1) | SKU: RDRCP31

Datasheet:

Product name:	Recombinant Insulin-like Growth Factor 1 (IGF-1) Insulin-like Growth Factor 1 (49-118 aa) Protein
Description:	Recombinant Insulin-like Growth Factor 1 protein (49-118 aa), was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques
Synonyms:	IGF1, IGF-1A Mechano growth factor (MGF), Somatomedin-C
UniProt ID:	P05019-1
Species Expression host Tag:	Human/Bovine <i>E. coli</i> Tag-less
Expression cDNA Clone or AA Sequence:	MGPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDL RRLEMYCAPLKPAKSA
Predicted MW:	~7.6 kDa
Physical appearance:	Lyophilized from filtered (0.2 µm) buffer solution
Purity:	≥95% by SDS-PAGE
Endotoxin level:	≤1EU/µg as determined by Limulus Amebocyte Lysate (LAL) assay
Biological activity:	Measured in a cell proliferation assay using NIH-3T3 cells. The ED50 for this effect is <2 ng/mL corresponding to an activity of >5X10 ⁵ IU/mg
Storage temperature:	-20°C
Stability:	Reconstituted product is stable for 2 weeks at 2-8°C or as aliquots with a carrier protein at -20°C for longer. Avoid multiple freeze-thaws.

Product details:		
	<h1>IGF-1</h1>	
	Batch no.	DIGF1P02/24(ER)
	Quantity	10 µg
Manufacturing	Feb 2025	

RESOLVE BIOTECH PRIVATE LIMITED

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