GMP Recombinant Porcine IGF1 Protein, His-Tagged

Cat. No. IGF1-01P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Porcine IGF1 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Porcine
Source	E.coli
Description	Insulin-like growth factor 1 (IGF-1), also called somatomedin C, is a protein that in humans is encoded by the IGF1 gene. IGF-1 is a hormone similar in molecular structure to insulin. It plays an important role in childhood growth and continues to have anabolic effects in adults. A synthetic analog of IGF-1, mecasermin, is used for the treatment of growth failure.
Form	Lyophilized
AA Sequence	MGPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSSRRAPQTGIVDECCFRSCDL RRLEMYCAPLKPAKSA with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots

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	should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name	IGF1 insulin like growth factor 1 [Sus scrofa (pig)]
Official Symbol	IGF1
Synonyms	IGF-1; IGF-I; Npt2B
Gene ID	397491
mRNA Refseq	NM_214256.1
Protein Refseq	NP_999421.1
UniProt ID	P16545

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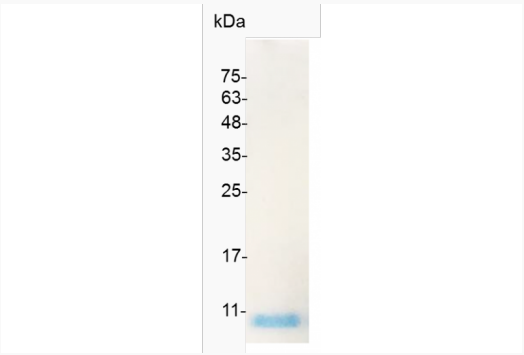

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