

Product Data Sheet

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Insulin Growth Factor- Basal (IGF-I)

Product Reference: PEK# 10017

Insulin- dependent growth factor I protein, with His-Tag, Lyophilized.

Revision date: 24.08.2022
Version: 1.1

Product Data Sheet

Description	Insulin growth factor basal protein.
Synonym(s)	Growth factor, Insulin growth factor, growth factor like insulin Insulin dependent growth factor
HS Code:	35040090
Pack Size	50 ug
MW	20,14 KDa
Form	Powder
Shipped in	Chemistry Ice
Storage temp.	-20°C (before reconstitution and long period), after reconstitution read detail below.
Expression System	Escherichia Coli
Purity	>95% (SDS Page)
Impurities	<1.0 EU/µg protein (LAL test)
GenBank Accession:	

Expanded Data Sheet

Construct	Optimized codon to soluble expression.
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Expanded Data Sheet (continuation)

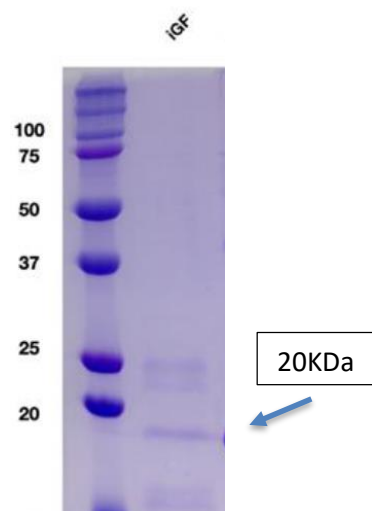
Tag(s)	Tag(s) N-terminal His-tag
UniProt Number	UniProt Number
Stability	Stability At least 12 months at -80°C.
Formulation	Formulation Phosphate buffer monosodic 29mM, dibasic 73mM and sodium,

Reference:

General description

Recombinant IGF-I Protein with His tag is produced by E. coli expression system. The target protein is expressed with sequence of Insulin dependent growth factor-I fused with a 6XHis tag-tag at the N-terminus.

Quality Control Data



SDS-PAGE gel of IGF-b expression purified

Reconstitution

Reconstituting with 10-25% of Glycerol and water if is proposal to store for long time at -20°C. It is recommending reconstitution in water only, to aliquot in smaller quantities to avoid frozen and defrozen.

Storage and Stability

This product is stable at -20°C.for up to 12 months from the date of receipt in powder. For optimal storage, aliquot into smaller quantities after reconstitution and centrifugation and store at recommended temperature -20°C or -80°C.

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