

## **PRODUCT INFORMATION**

IGF-I **Target** 

Insulin-Like Growth Factor I;IGF-I;Mechano Growth Factor;MGF;Somatomedin-C;IGF1;IBP1 **Synonyms** 

Recombinant Human Insulin-like Growth Factor I(4-70) is produced by our E.coli expression **Description** system and the target gene encoding Thr52-

Ala118 is expressed.

**Delivery** In Stock **Uniprot ID** P05019 **Expression Host** E.coli

Tag

Molecular

Not available Characterization

**Molecular Weight** 7.3 KDa

Greater than 95% as determined by reducing **Purity** 

SDS-PAGE.

Formulation &

Reconstitution

Storage & Shipping

Lyophilized from a 0.2 µm filtered solution of

20mM NaAc-HAc, pH 4.5.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

témperature.

Insulin-like growth factor I (IGF1) belongs to the family of insulin-like growth factors that are structurally homologous to proinsulin. Mature IGFs are generated by proteolytic processing of inactive precursor protein containing N-terminal

**Background** 

and C-terminal propeptide regions. Mature human IGF-I consisting of 70 amino acids with 94% identity with mouse IGF1 and exhibits cross-species activity. IGF1 binds IGF-1R, IGF-2R, and the insulin receptor and plays a key role in cell cycle progression, cell preliferation and tumor cycle progression, cell proliferation and tumor progression. IGF1 expression is regulated by

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growth hormone.

Usage Research use only

Conjugate Unconjugated

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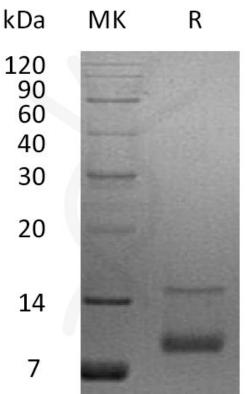


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.



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