

Recombinant Salmo/Trout Insulin-like Growth Factor II

Cat. No. igf2-447S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Salmo/Trout Insulin-like Growth Factor II is expressed in <i>E.coli</i> .
Species	Salmon/Trout
Source	E.coli
Description	Insulin-like growth factor 2 (IGF-2) is one of three protein hormones that share structural similarity to insulin. This cytokine is produced in a human cell expression system with serum-free, chemically defined media. Glycosylation contributes to stability in cell growth media and other applications. Salmo /Trout (<i>Oncorhynchus</i> sp. & <i>Salmo</i> sp.) Insulin-like Growth Factor-II (Salmon / Trout IGF-II) is a 70 amino acid polypeptide. Salmon / Trout IGF-II can be used for a variety of in vivo and in vitro applications.
Molecular Weight	7866 daltons – confirmed by Mass Spectrometry.
N-terminal Sequence Analysis	5 residues > 95 % single sequence.
Purity	> 95 % (by HPLC and N-terminal sequence analysis).
Biological Activity	Stimulation of protein synthesis in rat L6 myoblasts: ED50 < 256.6 ng/ml.
State And Appearance	Lyophilized white powder. Dried from 0.1 M acetic acid and stored under dry nitrogen at a slight vacuum (-25 kPa).

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Reconstitution Handling of Novozymes GroPep IGF-I, IGF-II and IGF Analogs.

Storage/Stability At least 2 years at 2 - 4°C (lyophilized).

GENE INFORMATION

Gene Name [igf2 insulin-like growth factor II \[Oncorhynchus mykiss \]](#)

Synonyms insulin-like growth factor II; igf2; IGF-II; erythropoietin

Gene ID [100136742](#)

mRNA Refseq [NM_001124697](#)

Protein Refseq [NP_001118169](#)

UniProt ID [erythropoietin](#)

PDB rendering based
on 1igl.



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