

Recombinant Human Insulin-like Growth Factor-2, High Concentration

Catalog No: #AP60076

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Package Size: #AP60076-1 100ug #AP60076-2 500ug

Description

Product Name	Recombinant Human Insulin-like Growth Factor-2, High Concentration
Host Species	Escherichia coli
Purification	> 95 % by SDS-PAGE analyses.
Calculated MW	Approximately 7.5 kDa, a single non-glycosylated polypeptide chain containing 67 amino acids.
Target Sequence	AYRPSETLCG GELVDTLQFV CGDRGFYFSR PASRVSRRSR GIVEECCFRS CDLALLETYC ATPAKSE
Formulation	Lyophilized from a 0.2 µm filtered solution in Acetic Acid, with 0.02 % Tween-20.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Background

Insulin-like growth factor (IGF)-I (also known as somatomedin C and somatomedin A) and IGF-II (multiplication stimulating activity or MSA) belong to the family of insulin-like growth factors that are structurally homologous to proinsulin. Mature IGF-I and IGF-II share approximately 70% sequence identity. Both IGF-I and IGF-II are expressed in many tissues and cell types and may have autocrine, paracrine and endocrine functions. Mature IGF-I and IGF-II are highly conserved between the human, bovine and porcine proteins (100% identity), and exhibit cross-species activity. The IGFL (insulin-like growth factor-like) family includes four small (~11 kDa), probably secreted family members in humans and one in mouse. This family shares A and B chain cysteine motifs with the IGF superfamily, and has an additional cysteine motif within an uncleaved region corresponding to the C peptide of the IGF family.

Note: This product is for in vitro research use only