Active Recombinant Human IGF2 protein

Cat. No. IGF2-620H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGF2 protein was expressed in E. coli.
Species	Human
Source	E.coli
Form	Lyophilized from a 0.2 μm filtered solution in Acetic Acid, with 0.02 % Tween-20.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using serum free human MCF-7 cells is 1.5-6 ng/mL.
Molecular Mass	Approximately 7.5 kDa, a single non-glycosylated polypeptide chain containing 67 amino acids.
AASequence	AYRPSETLCG GELVDTLQFV CGDRGFYFSR PASRVSRRSR GIVEECCFRS CDLALLETYC ATPAKSE
Endotoxin	Less than 0.1 EU/μg of rHuIGF-2 as determined by LAL method.
Purity	> 95 % by SDS-PAGE analyses.
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.

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Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	IGF2 insulin-like growth factor 2 (somatomedin A) [Homo sapiens]
Official Symbol	IGF2
Synonyms	IGF2; insulin-like growth factor 2 (somatomedin A); C11orf43, chromosome 11 open reading frame 43; insulin-like growth factor II; FLJ44734; somatomedin-A; insulin-like growth factor type 2; IGF-II; PP9974; C11orf43; FLJ22066;
Gene ID	3481
mRNA Refseq	NM_000612
Protein Refseq	NP_000603
UniProt ID	P01344

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