

RECOMBINANT HUMAN INSULIN LIKE GROWTH FACTOR-II

CATALOG NUMBER:	GF007
LOT NUMBER:	XXXXXXXXXX
QUANTITY:	50 µg
DESCRIPTION:	Insulin Like Growth Factor-II (IGF-II) is a polypeptide growth factor, which stimulates the proliferation of a wide range of cell types. Human IGF-II is a 7.5 kDa protein containing 67 amino acid residues.
SOURCE:	<i>E. coli</i>
PURITY:	Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/µg) of IGF-II.
ACTIVITY:	Chemicon's Human IGF-II is fully biologically active when compared to standards. The ED ₅₀ as determined by a cell proliferation assay using FDC-P1 cells is ≤ 2.0 ng/mL, corresponding to a specific activity of ≥ 5 x 10 ⁵ units/mg.
APPLICATIONS:	For most <i>in vitro</i> applications, IGF-II exerts its biological activity in the concentration range of 0.5 to 25.0 ng/mL. Responding cells are (partial list): Bone, muscle cells.
PRESENTATION:	Lyophilized powder with no additives.
STORAGE/HANDLING:	The lyophilized IGF-II, though stable at room temperature, is best stored at -20°C. After a quick spin, reconstitute in water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other buffered solutions. Reconstituted IGF-II should be stored in undiluted aliquots at -20°C for up to six months. Avoid repeated freeze/thaw cycles.

For research use only; not for use in diagnostic procedures.