

Pro-Insulin Like Growth Factor-2 Human Recombinant

Item Number	rAP-2318
Synonyms	Pro-Insulin Like Growth Factor-2, pro-IGF2.
Description	Pro-IGF2 Human Recombinant produced in HEK cells is a glycosylated monomer, contains 157 a.a. (24-180) having a total molecular weight of 25kDa. The Pro-IGF2 contains a C-terminal propeptide (E peptide) Arg92 to Lys180 and is purified by proprietary chromatographic techniques.
Uniprot Accession Number	
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Pro-IGF2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Pro-IGF2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The Pro-IGF2 was lyophilized in 50mM Sodium Acetate pH 4.5 and 350mM NaCl. Greater than 90% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Pro-IGF2 in sterile PBS containing 0.1% endotoxin-free recombinant HSA.
Biological Activity	The specific activity was determined by the dose-dependent stimulation of the proliferation of MCF-7 cells (human breast cancer cell line) and is typically 2-8ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**