

Recombinant Human LongIGF-II

Catalog No: CF61

Description	Recombinant Human Long Insulin-Like Growth Factor II is produced by our E. coli expression system and the target gene encoding Ala25-Glu91 is expressed.
Source	E. coli
Alternative name	Insulin-Like Growth Factor II; IGF-II; Somatomedin-A; IGF2; PP1446
Accession No.	P01344
Formulation	Lyophilized from a 0.2 µm filtered solution of 5mM Hac, pH ~3.0.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Amino Acid Sequence	MFPAMPLSSLFVNAYRPSETLCGGELVDTLQFVCGDRGFYFSRPASRVSRRSRGIVECCFRSCDLAL LETYCATPAKSE
Background	Insulin-Like Growth Factor II (IGF2) belongs to the insulin family of polypeptide growth factors that is involved in development and growth. Members of this family are structurally homologous to proinsulin, and share higher sequence identity. IGF2 is expressed only from the paternally inherited allele and believed to be secreted by the liver and to circulate in the blood. IGF2 possess growth-promoting activity and can stimulate the proliferation and survival of various cell types including muscle, bone, and cartilage tissue in vitro. IGF2 is influenced by placental lactogen and may play a role in fetal development.

SDS-Page

