IGF2
Recombinant Human Insulin-like Growth Factor II

Catalog No.	CRH687A	**Quantity:**	50 µg
	CRH687B		100 µg
	CRH687C		1.0 mg

Alternate Names: Insulin-like growth factor II, IGF-II, Somatomedin-A, T3M-11-derived growth factor, Insulin-like growth factor II, Insulin-like growth factor II Ala-25 Del, Preptin

Description: Insulin-like growth factor II is a member of the insulin family of polypeptide growth factors, which are involved in development and growth. IGF-II is a mediator of prolactin-induced alveologenesis; prolactin, IGF-II, and cyclin D1, all of which are overexpressed in breast cancers, are components of a developmental pathway in the mammary gland. Circulating IGF-II and IGFBP-3 can serve as early indicators of impending colorectal cancer. IGF-II appears to be involved in the progression of many tumors. It binds to at least two different types of receptor: IGF type 1 (IGF 1R) and mannose 6-phosphate/IGF type 2 (M6-P/IGF 2R). Ligand binding to IGF-1R provokes mitogenic and anti-apoptotic effects.

UniProt ID: P01344

Accession Number: ADO21454.1

Protein Construction: A DNA sequence encoding the human IGF2 (Ala25-Glu91) was expressed.

Source: Yeast

Formulation: Lyophilized from sterile 80% ACN/0.1%TFA, containing 5% trehalose, 5% mannitol and 0.01% Tween-80

Molecular Weight: The recombinant human IGF2 consists 67 amino acids and predicts a molecular mass of 7.5 kDa.

Purity: > 95 % as determined by SDS-PAGE.

Biological Activity: Testing in progress

Predicted N-terminal: Ala 25

Reconstitution: **Centrifuge vial prior to opening.** Add 400 µl sterile water to prepare a stock solution of 0.25 mg/mL and gently pipette the solution up and down the sides of the vial. **DO NOT VORTEX**. Allow several minutes for complete reconstitution.

Storage & Stability: Stable for up to 1 year from date of receipt at -20°C to -80°C
After reconstitution, store working aliquots at -20°C to -80°C.
Avoid repeated freeze-thaw cycles.

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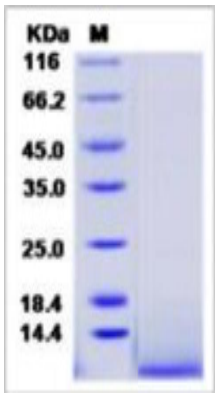

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