

# Human IGF-I Recombinant Protein

## Product Details

Size	100 µg
Species	Human
Expression system	E. coli
Amino acid sequence	GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSA
Molecular weight	7.5 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE and HPLC
Endotoxin concentration	<0.1 ng/µg
Activity	ED50 2 ng/mL; determined by the dose-dependent proliferation of FDC-P1 cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	-
Control (Ctrl)	Assay-dependent	-

## Product Specific Information

### Carrier-Free

**Reconstitution:** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in water, to a concentration of 0.1-1.0 mg/mL. Do not vortex. This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein, such as 0.1% BSA and store in working aliquots at -20°C to -80°C.

**Storage:** The lyophilized protein is stable at room temperature for 1 month, but should be kept at -20°C for long term storage. Working aliquots stored with a carrier protein are stable for at least 12 months at -20°C to -80°C. Avoid repeated freeze/thaw cycles.

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