

Recombinant Dog IGF1 Protein, His&GST-tagged

Cat. No. IGF1-986D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dog IGF1 Protein (Val22-Met153) with His&GST tag was expressed in E. coli.
Species	Dog
Source	E.coli
ProteinLength	Val22-Met153
Description	The protein encoded by this gene is similar to insulin in function and structure and is a member of a family of proteins involved in mediating growth and development. The encoded protein is processed from a precursor, bound by a specific receptor, and secreted. Defects in this gene are a cause of insulin-like growth factor I deficiency. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.6 kDa; Accurate Molecular Mass: 45 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

IGF1 insulin-like growth factor 1 (somatomedin C) [*Canis lupus familiaris*]

Official Symbol

IGF1

Synonyms

IGF1; insulin-like growth factor 1 (somatomedin C); insulin-like growth factor I; somatomedin C; Insulin-like growth factor I; IGF1; IGF-I; IGFI;

Gene ID

610255

mRNA Refseq

NM_001313855

Protein Refseq

NP_001300784

UniProt ID

P33712

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