

Recombinant Mouse Igf1 Protein, MYC/DDK-tagged

Cat. No. Igf1-081M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse insulin-like growth factor 1 (Igf1), transcript variant 2, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	<p>This gene encodes a member of the insulin-like growth factor (IGF) family of proteins that promote growth and development during fetal and postnatal life. This gene is predominantly expressed in the liver and the encoded protein undergoes proteolytic processing to generate a disulfide-linked mature polypeptide. Transgenic disruption of this gene in mice results in reduced postnatal survival and severe growth retardation. Mice lacking the encoded protein exhibit generalized organ hypoplasia including underdevelopment of the central nervous system and developmental defects in bone, muscle and reproductive systems. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein.</p>
Molecular Mass	18.5 kDa
Purity	>80%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	lgf1 insulin-like growth factor 1 [Mus musculus (house mouse)]
Official Symbol	lgf1
Synonyms	lgf1; insulin-like growth factor 1; Igf-1; Igf-I; C730016P09Rik; insulin-like growth factor I; somatomedin
Gene ID	16000
UniProt ID	P05017

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