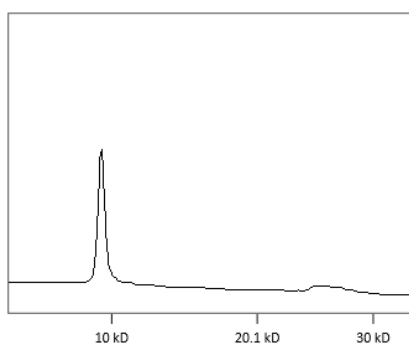


Recombinant IGF-1 antigen

Catalog number	610173
Description	Recombinant human IGF-1 antigen with a C-terminal histidine tag. Predicted molecular weight: 9 kDa
Amino acid sequence	MGPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECC FRSCDLRRLEMYCAPLKPASAGSGHHHHHH
Product host	<i>Escherichia coli (E. coli)</i>
Product formulation	Liquid
Product buffer solution	50 mM trisodium citrate, 0.9 % NaCl, pH 6.0
Reconstitution	-
Shelf life and storage	Unspecified, storage at -20 °C
Analyte description	IGF-1 (Insulin-like Growth Factor 1) is a peptide hormone synthesized in the liver and other tissues in response to growth hormone stimulation. It plays a pivotal role in regulating growth and development throughout the body. IGF-1 functions by binding to specific receptors, triggering cellular processes that promote cell growth, proliferation, and survival. While primarily associated with its role in promoting linear growth during childhood and adolescence, IGF-1 maintains importance in adults for tissue maintenance, metabolism, and overall physiological balance. Circulating predominantly in the blood, IGF-1 levels are influenced by factors such as age, genetics, nutrition, and hormonal status. Its levels are particularly significant in the assessment of growth-related disorders, with deficiencies leading to stunted growth in children and potential consequences in adults. Beyond growth, IGF-1's role extends to cancer, metabolism, and cardiovascular health.
Product concentration	Lot specific
Purity	Capillary electrophoresis (CE-SDS)



Antibodies tested	N/A
Miscellaneous	N/A



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