

Insulin-like growth factor I

Catalog No: #AP78341



Package Size: #AP78341-1 50ug #AP78341-2 100ug #AP78341-3 1mg

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Description

Product Name	Insulin-like growth factor I
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Dog
Immunogen Description	49-118AA
Other Names	IGFIA,Somatomedin
Accession No.	P33712Gene name:IGF1
Uniprot	P33712
GeneID	610255;
Calculated MW	7.7
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

The insulin-like growth factors, isolated from plasma, are structurally and functionally related to insulin but have a much higher growth-promoting activity. May be a physiological regulator of [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblasts. Stimulates glucose transport in rat bone-derived osteoblastic (PyMS) cells and is effective at much lower concentrations than insulin, not only regarding glycogen and DNA synthesis but also with regard to enhancing glucose uptake.

References

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Note: This product is for in vitro research use only