

Recombinant Human Insulin-like growth factor I protein(IGF1) (Active)

Catalog No: #AP73437

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Package Size: #AP73437-1 10ug #AP73437-2 50ug #AP73437-3 250ug #AP73437-4 500ug

#AP73437-5 1mg

Description

Product Name	Recombinant Human Insulin-like growth factor I protein(IGF1) (Active)
Brief Description	Recombinant Protein
Purification	>97% as determined by SDS-PAGE and HPLC.
Immunogen Description	Expression Region:49-118aaSequence Info:Full Length of Mature Protein
Other Names	IGF-I, MGF, Somatomedin-C
Accession No.	P05019
Uniprot	P05019
GeneID	3479;
Calculated MW	7.7 kDa
Tag Info	NO-tagged
Target Sequence	GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSA
Formulation	0.2 ?m filtered PBS, pH 7.0 ,lyophilized
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes: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. May play a role in synapse maturation. {ECO:0000269|PubMed:21076856, ECO:0000269|PubMed:24132240}.

References

PubMed ID: 6358902; 3002851; 2935423; 2937782; 3455760; 2082190; 2018498; 1372070; 8495408; 16541075; 15489334; 6382022; 632300; 3242681; 21076856; 24132240; 6189745; 2036417; 1319992; 8857020; 10391209
Research Topic:Cancer

Note: This product is for in vitro research use only