

Product datasheet

Recombinant Turkey IGF1 protein ab208970

Description

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| Product name | Recombinant Turkey IGF1 protein | |
| Purity | > 95 % SDS-PAGE. ab208970 was purified by Ion-exchange chromatography. | |
| Expression system | Yeast | |
| Accession | O93380 | |
| Protein length | Full length protein | |
| Animal free | No | |
| Nature | Recombinant | |
| Species | Turkey | |
| Sequence | GPETLCGAELVDALQFVCGDRGFYFSKPTGYGSSSR RLHHKGMVDECCFQ SCDLRRLEMYCAPIKPPKSA | |
| Predicted molecular weight | 8 kDa | |
| Amino acids | 49 to 118 | |
| Additional sequence information | Turkey | |

Specifications

Our [Abpromise guarantee](#) covers the use of **ab208970** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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|-------------------------|---|
| Applications | SDS-PAGE |
| Form | Lyophilised |
| Additional notes | ab208970 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified. |

Preparation and Storage

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|------------------------------|---|
| Stability and Storage | Shipped at 4°C. Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Constituents: 10% Trehalose, 90% PBS |
| Reconstitution | Reconstitute with sterile Phosphate-buffered saline containing at least 0.1% carrier protein. |

General Info

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|-------------------------------|---|
| Function | 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. |
| Involvement in disease | Defects in IGF1 are the cause of insulin-like growth factor I deficiency (IGF1 deficiency) [MIM:608747]. IGF1 deficiency is an autosomal recessive disorder characterized by growth retardation, sensorineural deafness and mental retardation. |
| Sequence similarities | Belongs to the insulin family. |
| Cellular localization | Secreted. |

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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