

Product datasheet

Recombinant Human GDF 9 protein ab285673

Description

Product name	Recombinant Human GDF 9 protein
Purity	> 98 % SDS-PAGE. >98% by SDS-PAGE and HPLC analysis
Endotoxin level	< 1.000 Eu/µg
Expression system	Escherichia coli
Accession	<u>O60383</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	51 kDa
Actual molecular weight	31 kDa
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab285673** in the following tested applications.

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

Form	Lyophilized
Additional notes	This product is manufactured by BioVision, an Abcam company and was previously called 4872 GDF9, human recombinant. 4872-20 is the same size as the 20 µg size of ab285673.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C.
Reconstitution	Reconstitute in H ₂ O to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers

General Info

Relevance	GDF 9 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta
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superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Growth factors synthesized by ovarian somatic cells directly affect oocyte growth and function. GDF 9 is expressed in oocytes and is thought to be required for ovarian folliculogenesis.

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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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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