

Product datasheet

Recombinant human GDF15 protein ab50077

3 References

Description

Product name	Recombinant human GDF15 protein
Biological activity	Determined by its ability to inhibit alkaline phosphatase activity in differentiating MC3T3/E1 osetoblast cells. The expected ED ₅₀ for this effect is 75-200 ng/ml.
Purity	> 95 % SDS-PAGE. ab50077 purity was determined also by HPLC
Endotoxin level	< 1.000 Eu/μg
Expression system	CHO cells
Accession	<u>Q99988</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	ARNGDHCPLGPGRCCRLHTVRASLEDLGWADWVLSPRE VQVTMCIGACPS QFRAANMHAQIKTSLHRLKPDTPAPCCVPASYNPMVLIQ KTDGTGVSLQT YDDLLAKDCHCI
Predicted molecular weight	25 kDa
Actual molecular weight	25 kDa
Amino acids	197 to 308
Additional sequence information	This product refers to the processed mature form of this protein from aa 195 to 308. Therefore it does not contain the signal peptide or propeptide.

Specifications

Our **Abpromise guarantee** covers the use of **ab50077** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE
Form	Lyophilized
Additional notes	Molecular Weight: 24.6 kDa

Preparation and Storage

Stability and Storage	Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C long term. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute to 1 mg/ml with distilled water.

General Info

Tissue specificity	Highly expressed in placenta, with lower levels in prostate and colon and some expression in kidney.
Sequence similarities	Belongs to the TGF-beta family.
Cellular localization	Secreted.

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

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