abcam

Product datasheet

Recombinant Human Granulin protein ab108947

Description

Product name	Recombinant Human Granulin protein
Purity	> 90 % SDS-PAGE. ab108947 is 0.2µm filtered.
Endotoxin level	< 1.000 Eu/µg
Expression system	Escherichia coli
Accession	**P28799**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	10 kDa including tags
Amino acids	364 to 430
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab108947** in the following tested applications.

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

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. pH: 8.20 Constituents: 0.869% Tris HCl, 0.87% Sodium chloride

General Info

Function	Granulins have possible cytokine-like activity. They may play a role in inflammation, wound repair, and tissue remodeling.

	Granulin-4 promotes proliferation of the epithelial cell line A431 in culture while granulin-3 acts as an antagonist to granulin-4, inhibiting the growth.
Tissue specificity	In myelogenous leukemic cell lines of promonocytic, promyelocytic, and proerythroid lineage, in fibroblasts, and very strongly in epithelial cell lines. Present in inflammatory cells and bone marrow. Highest levels in kidney.
Involvement in disease	Defects in GRN are the cause of ubiquitin-positive frontotemporal dementia (UP-FTD) [MIM:607485]; also known as tau-negative frontotemporal dementia linked to chromosome 17. Frontotemporal dementia (FTD) is the second most common cause of dementia in people under the age of 65 years. It is an autosomal dominant neurodegenerative disease.
Sequence similarities	Belongs to the granulin family.
Post-translational modifications	Granulins are disulfide bridged.
Cellular localization	Secreted.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- 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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