

## Product datasheet

# Recombinant human SCGF beta protein ab9836

### Description

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<b>Product name</b>	Recombinant human SCGF beta protein
<b>Purity</b>	> 98 % SDS-PAGE. Sterile filtered Greater than 98% pure by HPLC analyses. Endotoxin level is less than 0.1 ng per g (1EU/g).
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Predicted molecular weight</b>	36 kDa

### Specifications

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Our **Abpromise guarantee** covers the use of **ab9836** in the following tested applications.

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

<b>Applications</b>	Functional Studies SDS-PAGE
<b>Form</b>	Lyophilized
<b>Additional notes</b>	The ED50, determined by its inhibitory effect on the proliferation of TF-1 cells previously grown in media containing GM-CSF, is <7.0ng/ml.

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Constituents: 0.16% Sodium phosphate, 0.18% Sodium chloride, 0.015% DTT This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	For lot specific reconstitution information please contact our Scientific Support Team.

### General Info

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<b>Function</b>	Stimulates the proliferation and differentiation of hematopoietic precursor cells from various lineages, including erythrocytes, lymphocytes, granulocytes and macrophages. Acts synergistically with other cytokines, including IL-3, GCSF, GMCSF and FLT3 ligand. Suppresses SCF-stimulated erythrocyte proliferation.
<b>Tissue specificity</b>	Expressed in skeletal tissues including bone marrow, chondrocytes, primary ossification center-associated cells, the perichondrium and periosteum. Lower levels of expression were detected in spleen, thymus, appendix and fetal liver.
<b>Sequence similarities</b>	Contains 1 C-type lectin domain.
<b>Developmental stage</b>	In the bone marrow, expression is limited to immature neutrophils. Expression was not detected in circulating mature neutrophils.
<b>Post-translational modifications</b>	O-glycosylated. Probably sulfated on the O-glycans.
<b>Cellular localization</b>	Cytoplasm. 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

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- 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.

### Terms and conditions

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