

## Product datasheet

# Recombinant Human IMPACT protein ab163086

1 Image

### Overview

<b>Product name</b>	Recombinant Human IMPACT protein
<b>Protein length</b>	Full length protein

### Description

<b>Nature</b>	Recombinant
<b>Source</b>	Wheat germ
<b>Amino Acid Sequence</b>	
<b>Species</b>	Human
<b>Sequence</b>	<p>MAEGDAGSDQRQNEEIEAMAAYGEEWCVIDDCAKIF            CIRISDDIDDPKW            TLCLQVMLPNEYPGTAPPYQLNAPWLKGQERADLSN            SLEEMQNIGES            ILYLWVEKIRDVLIQKSQMTEPGPDVKKKTEEEDVECE            DDLILACQPES            VKALDFDISETRTEVEVEELPPIDHGIPITDRRSTFQ AHL            APVVC PKQVK            MVLSKLYENKKIASATHNIYAYRIYCEDKQTF LQDCEDD            GETAAGG RLLH            LMEILNVKNMVMVVS R WYGGILLGPDRFKHINNCARNIL            VEKNY TNSPEE SSKALGKNKKVRKDKKRNEH</p>
<b>Amino acids</b>	1 to 320
<b>Tags</b>	proprietary tag N-Terminus

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab163086** 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>	ELISA Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	Protein concentration is above or equal to 0.05 mg/ml.

## Preparation and Storage

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### Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

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### Function

Translational regulator that ensures constant high levels of translation under amino acid starvation. Acts by interacting with GCN1/GCN1L1, thereby preventing activation of GCN2 protein kinases (EIF2AK1 to 4) and subsequent down-regulation of protein synthesis.

### Tissue specificity

Widely expressed. Expressed at high level in brain.

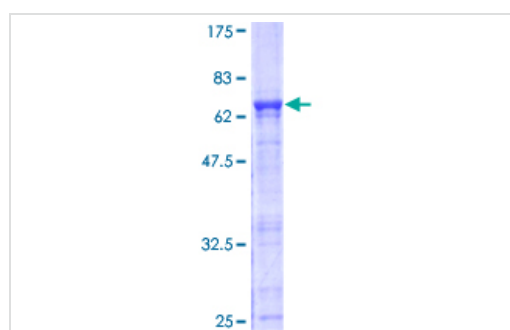
### Sequence similarities

Belongs to the IMPACT family.

Contains 1 RWD domain.

## Images

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ab163086 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human IMPACT protein  
(ab163086)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## 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
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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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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