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Datasheet for ABIN7563586  
**GRB7 Protein (AA 1-535) (His tag)**

## Overview

Quantity:	1 mg
Target:	GRB7
Protein Characteristics:	AA 1-535
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GRB7 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Grb7 Protein expressed in mammalien cells.
Sequence:	MELDLSPTHL SSSPEDVCPT PATPPETPPP PDNPPPGDVK RSQPLPIPSS RKLREEEFQA TSLPSIPNPF PELCSPPSQK PILGGSSGAR GLLPRDSSRL CVVKVYSEDG ACRSVEVAAG ATARHVCEML VQRAHALSDE SWGLVESHPY LALERGEDH EFWVEVQEAW PVGGDSRFIF RKNFAKYELF KSPPHTLFPE KMVSSCLDAQ TGISHEDLIQ NFLNAGSFPE IQGFLQLRGS GRGSGRKLWK RFFCFLRRSG LYYSTKGTSK DPRHLQYVAD VNESNVYVVT QGRKLYGMPT DFGFCVKPNK LRNGHKGLHI FCSEDEQSRT CWLAAFRLFK YGVQLYKQNYQ QAQSRHLRLS YLGSPPLRSV SDNTLVAMDF SGHAGRVIDN PREALSAAME EAQAWRKKTN HRLSLPTTCS GSSLSAAIHR TQPWFHGRIS REESQLIGQ QGLVDGVFLV RESQRNPQGF VLSLCHLQKV KHYLILPSED EGCLYFSMDE GQTRFTDLLQ LVEFHQLNRG ILPCLLRHCC ARVAL <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you</b>

## Product Details

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**have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

GRB7

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### Alternative Name:

Grb7 ([GRB7 Products](#))

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### Background:

Growth factor receptor-bound protein 7 (Epidermal growth factor receptor GRB-7) (GRB7 adapter protein),FUNCTION: Adapter protein that interacts with the cytoplasmic domain of numerous receptor kinases and modulates down-stream signaling. Promotes activation of down-stream protein kinases, including STAT3, AKT1, MAPK1 and/or MAPK3. Promotes activation of HRAS. Plays a role in signal transduction in response to EGF. Plays a role in the regulation of cell proliferation and cell migration (By similarity). Plays a role in the assembly and stability of RNA stress granules. Binds to the 5'UTR of target mRNA molecules and represses translation of target mRNA species, when not phosphorylated. Phosphorylation impairs RNA binding and promotes stress granule disassembly during recovery after cellular stress. {ECO:0000250, ECO:0000269|PubMed:17318180, ECO:0000269|PubMed:18273060}.

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### Molecular Weight:

60.0 kDa

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## Target Details

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UniProt: [Q03160](#)

Pathways: [EGFR Signaling Pathway, Ribonucleoprotein Complex Subunit Organization](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months