

Datasheet for ABIN7548403
IER5 Protein (AA 1-327) (His tag)



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Overview

Quantity:	1 mg
Target:	IER5
Protein Characteristics:	AA 1-327
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IER5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant IER5 Protein expressed in mammalian cells.
Sequence:	MEFKLEAHRI VSISLGKIYN SRVQRGGIKL HKNLLVSLVL RSARQVYLSLSD PCPGLYLAGP AGTPAPPPQQ QPGEPAAGPP AGWGEPPPPA ARASWPETEP QPERSSVSDA PRVGDEVPVA TVTGVGDVFQ GGEADATEAA WSRVEGPRQA AAREAEGTAG GWGVFPEVSR AARRPCGCPL GGEDPPGTPA ATPRAACCCA PQPAEDEPPA PPAVCPRKRC AAGVGGGPAG CPAPGSTPLK KPRRNLEQPP SGGEDDDAE METGNVANLI SIFGSSFSGL LRKSPGGGRE EEEGEESGPE AAEPGQICCD KPVL RDMNPW STAIVAF 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 have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- 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.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	IER5
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Alternative Name:	IER5 (IER5 Products)
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Background:	<p>Immediate early response gene 5 protein,FUNCTION: Plays a role as a transcription factor (PubMed:22132193, PubMed:25355627). Mediates positive transcriptional regulation of several chaperone genes during the heat shock response in a HSF1-dependent manner (PubMed:25355627, PubMed:25816751). Mediates negative transcriptional regulation of CDC25B expression (PubMed:22132193). Plays a role in the dephosphorylation of the heat shock factor HSF1 and ribosomal protein S6 kinase (S6K) by the protein phosphatase PP2A (PubMed:25816751, PubMed:26496226). Involved in the regulation of cell proliferation and resistance to thermal stress (PubMed:22132193, PubMed:25355627, PubMed:26496226). Involved in the cell cycle checkpoint and survival in response to ionizing radiation (PubMed:19238419, PubMed:22132193). Associates with chromatin to the CDC25B promoter (PubMed:22132193). {ECO:0000269 PubMed:19238419, ECO:0000269 PubMed:22132193, ECO:0000269 PubMed:25355627, ECO:0000269 PubMed:25816751, ECO:0000269 PubMed:26496226}.</p>
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Molecular Weight:	33.7 kDa
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Target Details

UniProt: [Q5VY09](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

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