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## Datasheet for ABIN7560112 **DERA Protein (AA 1-318) (His tag)**

### Overview

Quantity:	1 mg
Target:	DERA
Protein Characteristics:	AA 1-318
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DERA protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Dera Protein expressed in mammalian cells.
Sequence:	MAAHCRGTEL DLSWISKVQV NHA AVL RRAQ QIQARRSVKK EWQAAWLLKA VTFIDLTTLS GDDTFSNVQR LCYKAKYPIR ADLLKALNMD DKGITTAAVC VYPARVCDV KALKAAGCSI PVASVATGFP AGQTHLKTRL EEIRLAVEDG ATEIDVWINR TLVLTGQWEA LYDEVTQFRK ACGEAHLKTI LATGELGSLT NVYKASLVAM MAGSDFIKTS TGKETVNATF PVAIVMLRAI RDFFWKTGNK VGFKPAGGIR TAKESLAWLS LVKEELGDEW LTPDLFRIGA SLLSDIERQ IYHHVTGRYA AYHDL PMS <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 have a special request, please contact us.</b>
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

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- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	DERA
Alternative Name:	Dera ( <a href="#">DERA Products</a> )
Background:	Deoxyribose-phosphate aldolase (DERA) (EC 4.1.2.4) (2-deoxy-D-ribose 5-phosphate aldolase) (Phosphodeoxyriboaldolase) (Deoxyriboaldolase),FUNCTION: Catalyzes a reversible aldol reaction between acetaldehyde and D-glyceraldehyde 3-phosphate to generate 2-deoxy-D-ribose 5-phosphate. Participates in stress granule (SG) assembly. May allow ATP production from extracellular deoxyinosine in conditions of energy deprivation. {ECO:0000250 UniProtKB:Q9Y315}.
Molecular Weight:	35.0 kDa
UniProt:	<a href="#">Q91YP3</a>

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## Application Details

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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

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## 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