

Datasheet for ABIN7551556

## Ribose 5-Phosphate Isomerase A (RPIA) (AA 1-311) protein (His tag)



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### Overview

Quantity:	1 mg
Target:	Ribose 5-Phosphate Isomerase A (RPIA)
Protein Characteristics:	AA 1-311
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat RPIA Protein expressed in mammalian cells.
Sequence:	<p>MQRPGPFSTL YGRVLAPLPG RAGGAASGGG GNSWDLPGSH VRLPGRAQSG TRGGAGNTST SCGDSNSICP APSTMSKAE AKKLAGRAAV ENHVRNNQVL GIGSGSTIVH AVQRIAERVK QENLNLVCIP TSFQARQLIL QYGLTSLDL RHPEIDLAI DGADEV DADLN LIKGGGGCLT QEKIVAGYAS RFVIADFRK DSKNLGDQWH KGIPIEVIPM AYVPVSRVAV QKFGGVVELR MAVNKAGPVV TDNGNFILDW KFDRVHKWSE VNTAIKMIPG VVDTGLFINM AERVYFGMQD GSVNMREKPF C <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></p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

- 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, Western Blot
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Grade:	custom-made
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## Target Details

Target:	Ribose 5-Phosphate Isomerase A (RPIA)
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Alternative Name:	RPIA ( <a href="#">RPIA Products</a> )
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Background:	Ribose-5-phosphate isomerase (EC 5.3.1.6) (Phosphoriboisomerase),FUNCTION: Catalyzes the reversible conversion of ribose-5-phosphate to ribulose 5-phosphate and participates in the first step of the non-oxidative branch of the pentose phosphate pathway. {ECO:0000269 PubMed:14988808}.
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Molecular Weight:	33.3 kDa
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UniProt:	<a href="#">P49247</a>
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Pathways:	<a href="#">Cellular Glucan Metabolic Process</a> , <a href="#">Ribonucleoside Biosynthetic Process</a>
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## Application Details

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.
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Restrictions:	For Research Use only
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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