

Datasheet for ABIN7556207  
**OAZ3 Protein (AA 1-243) (His tag)**



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## Overview

Quantity:	1 mg
Target:	OAZ3
Protein Characteristics:	AA 1-243
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OAZ3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Oaz3 Protein expressed in mammalian cells.
Sequence:	MPCNRSRPSL YLSYIKRGK TRNYLYPFWS PFAYLYCYK YRITLREKML PCCYKSITYK EQEDLTLRPH CCLPCSCCLPC SCLQCSESLG GLQVGRSTAQ EKDHSQLKEL YSAGNLTVLS TDPLLHQDPV QLDFHFRLTP HSSAHWHGLL CDHRLFLDIP YQALDQGNRE SLTATLEYVE EKTNVDSV FV NFQIDRKDRG ALLRAFSYMG FEVVRPDHPA LPPWDNVIFM VYPLERDLGH PGQ <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: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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:	OAZ3
Alternative Name:	Oaz3 ( <a href="#">OAZ3 Products</a> )
Background:	<p>Ornithine decarboxylase antizyme 3 (AZ3) (ODC-Az 3) (OAZ-t),FUNCTION: Ornithine decarboxylase (ODC) antizyme protein that negatively regulates ODC activity and intracellular polyamine biosynthesis and uptake in response to increased intracellular polyamine levels. Binds to ODC monomers, inhibiting the assembly of the functional ODC homodimers. Does not target the ODC monomers for degradation, which allows a protein synthesis-independent restoration of ODC activity (PubMed:16916800, PubMed:18508777, PubMed:18973822). Stabilizes AZIN2 by interfering with its ubiquitination (PubMed:18062773). Involved in the translocation of AZIN2 from ER-Golgi intermediate compartment (ERGIC) to the cytosol (PubMed:19449338). Probably plays a key role in spermatogenesis by regulating the intracellular concentration of polyamines in haploid germ cells (PubMed:24967154).</p> <p>{ECO:0000269 PubMed:16916800, ECO:0000269 PubMed:18062773, ECO:0000269 PubMed:18508777, ECO:0000269 PubMed:18973822, ECO:0000269 PubMed:19449338, ECO:0000269 PubMed:24967154}.</p>
Molecular Weight:	28.2 kDa

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## Target Details

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UniProt: [Q9R109](#)

## 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

## 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