

Datasheet for ABIN7562179
OAZ2 Protein (AA 1-189) (His tag)



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Overview

Quantity:	1 mg
Target:	OAZ2
Protein Characteristics:	AA 1-189
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OAZ2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Oaz2 Protein expressed in mammalian cells.
Sequence:	MINTQDSSIL PLSKCPQLQC CRHIVGPLW CSDAPHPLSK IPGGRGGGRD PLSALIYKD EKLTVTQDLP VNDGKPHIVH FQYEVTEVKV SSWDAVLSSQ SLFVEIPDGL LADGSKEGLL ALLEFAEEKM KVNYYVICFR KGREDRAPLL KTFSFLGFEI VRPGHPCVPS RPDVMFMVYP LDQNLSDDED 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: <ul style="list-style-type: none">• 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

Product Details

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:	OAZ2
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Alternative Name:	Oaz2 (OAZ2 Products)
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Background:	Ornithine decarboxylase antizyme 2 (AZ2) (ODC-Az 2) (Seizure-related protein 15),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:24967154). Involved in the translocation of AZIN2 from ER-Golgi intermediate compartment (ERGIC) to the cytosol (PubMed:19449338). {ECO:0000269 PubMed:16916800, ECO:0000269 PubMed:18508777, ECO:0000269 PubMed:19449338, ECO:0000269 PubMed:24967154}.
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Molecular Weight:	21.0 kDa
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UniProt:	O08608
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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.
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Application Details

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