

Datasheet for ABIN7546961
DAOA Protein (AA 1-153) (His tag)



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Overview

Quantity:	1 mg
Target:	DAOA
Protein Characteristics:	AA 1-153
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DAOA protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DAOA Protein expressed in mammalian cells.
Sequence:	MLEKLMGADS LQLFRSRYTL GKIYFIGFQR SILLKSSENS LNSIAKETEE GRETVTRKEG WKRRHEDGYL EMAQRHLQRS LCPWVSYLPQ PYAELEEVSS HVGKVF MARN YEFLAYEASK DRRQPLERMW TCNYNQKQDQ SCNHKEITST KAE 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:	DAOA
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Alternative Name:	DAOA (DAOA Products)
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Background:	D-amino acid oxidase regulator (Protein G72),FUNCTION: May suppress DAO (D-amino acid oxidase) and SOD1 activity and promote their degradation (PubMed:18544534, PubMed:20521334, PubMed:21679769, PubMed:30037290). Has conversely also been suggested to function as a DAO activator (PubMed:12364586, PubMed:24362575, PubMed:29114206). May stimulate the degradation of DDO (D-aspartate oxidase) (PubMed:37805834). May play a role in mitochondrial fission (PubMed:17684499). {ECO:0000269 PubMed:12364586, ECO:0000269 PubMed:17684499, ECO:0000269 PubMed:18544534, ECO:0000269 PubMed:20521334, ECO:0000269 PubMed:21679769, ECO:0000269 PubMed:24362575, ECO:0000269 PubMed:29114206, ECO:0000269 PubMed:30037290, ECO:0000269 PubMed:37805834}.
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Molecular Weight:	18.1 kDa
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UniProt:	P59103
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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
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Application Details

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
