

Datasheet for ABIN7562905

## ASS1 Protein (AA 1-412) (His tag)



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### Overview

Quantity:	1 mg
Target:	ASS1
Protein Characteristics:	AA 1-412
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASS1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Ass1 Protein expressed in mammalian cells.
Sequence:	<p>MSSKGSVVLA YSGGLDTSCI LVWLKEQGYD VIAYLANIGQ KEDFEEARKK ALKLGAKKVF          IEDVSKEFVE EFIWPAVQSS ALYEDRYLLG TSLARPCAR RQVEIAQREG AKYVSHGATG          KGNDQVRFEL TCYSLAPQIK VIAPWRMPEF YNRFKGRNDL MEYAKQHGP IPVTPKSPWS          MDENLMHISY EAGILENPKN QAPPGLYTKT QDPAKAPNSP DVLEIEFKKG VPVKVTNIKD          GTTRTTSLEL FMYLNEVAGK HGVGRIDIVE NRFIGMKSRG IYETPAGTIL YHAHLDIEAF          TMDREVRKIK QGLGLKFAEL VYTGFWHSPE CEFVRHCIQK SQERVEGKVQ VSVFKGQVYI          LGRESPLSLY NEELVSMNVQ GDYEPIDATG FININSLRLK EYHRLQSKVT AK <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:	Key Benefits:

## Product Details

- 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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

Target:	ASS1
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Alternative Name:	Ass1 ( <a href="#">ASS1 Products</a> )
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Background:	Argininosuccinate synthase (EC 6.3.4.5) (Citrulline--aspartate ligase),FUNCTION: One of the enzymes of the urea cycle, the metabolic pathway transforming neurotoxic ammonia produced by protein catabolism into innocuous urea in the liver of ureotelic animals. Catalyzes the formation of argininosuccinate from aspartate, citrulline and ATP and together with ASL it is responsible for the biosynthesis of arginine in most body tissues. {ECO:0000250 UniProtKB:P00966}.
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Molecular Weight:	46.6 kDa
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UniProt:	<a href="#">P16460</a>
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Pathways:	<a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</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
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Application Details

	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