

Datasheet for ABIN7546438

AGXT Protein (AA 1-392) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	AGXT
Protein Characteristics:	AA 1-392
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGXT protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat AGXT Protein expressed in mammalian cells.
Sequence:	<p>MASHKLLVTP PKALLKPLSI PNQLLLGPGP SNLPPRIMAA GGLQMIGSMS KDMYQIMDEI KEGIQYVFQT RNPLTLVISG SGHCALEAAL VNVLEPGDSF LVGANGIWGQ RAVDIGERIG ARVHPMTKDP GGHYTLQEVE EGLAQHKPVL LFLTHGESST GVLQPLDGFGL ELCHRYKCLL LVDSVASLGG TPLYMDRQGI DILYSGSQKA LNAPPGTSLI SFSDKAKKKM YSRKTKPFSS YLDIKWLANF WGCDDQPRMY HHTIPVISLY SLRESLALIA EQGLENSWRQ HREAAAYLHG RLQALGLQLF VKDPALRLPT VTTVAVPAGY DWRDIVSYVI DHFDIEIMGG LGPSTGKVLRL IGLLGCNATR ENVDRVTEAL RAALQHCPKK KL</p> <p>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.</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

Grade: custom-made

Target Details

Target: AGXT

Alternative Name: AGXT ([AGXT Products](#))

Background: Alanine--glyoxylate aminotransferase (AGT) (EC 2.6.1.44) (Serine--pyruvate aminotransferase) (SPT) (EC 2.6.1.51),FUNCTION: Peroxisomal aminotransferase that catalyzes the transamination of glyoxylate to glycine and contributes to the glyoxylate detoxification (PubMed:10960483, PubMed:12777626, PubMed:24055001, PubMed:23229545, PubMed:26149463). Also catalyzes the transamination between L-serine and pyruvate and contributes to gluconeogenesis from the L-serine metabolism (PubMed:10347152). {ECO:0000269|PubMed:10347152, ECO:0000269|PubMed:10960483, ECO:0000269|PubMed:12777626, ECO:0000269|PubMed:23229545, ECO:0000269|PubMed:24055001, ECO:0000269|PubMed:26149463}.

Molecular Weight: 43.0 kDa

UniProt: [P21549](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#), [Dicarboxylic Acid Transport](#)

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