

Datasheet for ABIN7560335
PSAT1 Protein (AA 1-370) (His tag)



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Overview

Quantity:	1 mg
Target:	PSAT1
Protein Characteristics:	AA 1-370
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSAT1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Psat1 Protein expressed in mammalian cells.
Sequence:	<p>MEATKQVVNF GPGPAKLPHS VLLEIQKQLL DYRGLGISVL EMSHRSSDFA KIIGNTENLV RELLAVPNNY KVIFVQGGGS GQFSAVPLNL IGLKAGRSAD YVVTGAWSAK AAEEAKKFGT VNIVHPKLGS YTKIPDPSTW NLNPDASYVY FCANETVHGV EFDVFPDVKG AVLVCDMSSN FLSRPVDVSK FGVIFAGAQK NVGSAGVTVV IVRDDLLGFS LRECPSVLDY KVQAGNNSLY NTPPCFSIYV MGMVLEWIKN NGGAAAMEKL SSIKSQMIYE IIDNSQGFYV CPVERQNRSR MNIPFRIGNA KGDEALEKRF LDKAVELNMI SLKGHRVGG IRASLYNAV T EDVEKLA AF MKNFLEMHQL 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: PSAT1

Alternative Name: Psat1 ([PSAT1 Products](#))

Background: Phosphoserine aminotransferase (PSAT) (EC 2.6.1.52) (Endometrial progesterone-induced protein) (EPIP) (Phosphohydroxythreonine aminotransferase),FUNCTION: Involved in L-serine biosynthesis via the phosphorylated pathway, a three-step pathway converting the glycolytic intermediate 3-phospho-D-glycerate into L-serine. Catalyzes the second step, that is the pyridoxal 5'-phosphate-dependent transamination of 3-phosphohydroxypyruvate and L-glutamate to O-phosphoserine (OPS) and alpha-ketoglutarate.
{ECO:0000250|UniProtKB:Q9Y617}.

Molecular Weight: 40.5 kDa

UniProt: [Q99K85](#)

Pathways: [Warburg Effect](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

Application Details

	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
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Buffer:	The buffer composition is at the discretion of the manufacturer.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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