

Datasheet for ABIN7549919
NPAS1 Protein (AA 1-590) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NPAS1
Protein Characteristics:	AA 1-590
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPAS1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NPAS1 Protein expressed in mammalian cells.
Sequence:	<p>MAAPYPGSGG GSEVKCVGGR GASVPWDFLP GLMVKAPSGP CLQAQRKEKS RNAARSRRGK ENLEFFELAK LLPLPGAISS QLDKASIVRL SVTYLRLRRF AALGAPPWGL RAAGPPAGLA PGRRGPAALV SEVFEQHLGG HILQSLDGFV FALNQEKGFL YISETVSIYL GLSQVEMTGS SVFDYIHPGD HSEVLEQLGL RTPTPGPPTP PSVSSSSSSS SSLADTPEIE ASLTKVPPSS LVQERSFFVR MKSTLTKRGL HVKASGYKVI HVTGRLRAHA LGLVALGHTL PPAPLAELPL HGHMIVFRLS LGLTILACES RVSDHMDLGP SELVGRSCYQ FVHGQDATRI RQSHVDLLDK GQVMTGYRW LQRAGGFVWL QSVATVAGSG KSPGEHHVLW VSHVLSQAEG GQTPLDAFQL PASVACEEAS SPGPEPTEPE PPTGKQAAP AENEAPQTQG KRIKVEPGPR ETKGSEDSGD EDPSSHPATP RPEFTSVIRA GVLKQDPVRP WGLAPPGDPP PTLHAGFLP PVVRGLCTPG TIRYGPAELG LVYPHLQRLG PGPALPEAFY PPLGLPYPGP AGRTRPRKGD Sequence without tag.</p> <p>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</p>

Product Details

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:**

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: NPAS1

Alternative Name: NPAS1 ([NPAS1 Products](#))

Background: Neuronal PAS domain-containing protein 1 (Neuronal PAS1) (Basic-helix-loop-helix-PAS protein MOP5) (Class E basic helix-loop-helix protein 11) (bHLHe11) (Member of PAS protein 5) (PAS domain-containing protein 5),FUNCTION: May control regulatory pathways relevant to schizophrenia and to psychotic illness. May play a role in late central nervous system development by modulating EPO expression in response to cellular oxygen level (By similarity). Forms a heterodimer that binds core DNA sequence 5'-TACGTG-3' within the hypoxia response element (HRE) leading to transcriptional repression on its target gene TH (By similarity). {ECO:0000250, ECO:0000250|UniProtKB:P97459}.

Molecular Weight: 62.7 kDa

Target Details

UniProt: [Q99742](#)

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.

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