

Datasheet for ABIN7550633  
**PAX5 Protein (AA 1-391) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PAX5
Protein Characteristics:	AA 1-391
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAX5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat PAX5 Protein expressed in mammalian cells.
Sequence:	<p>MDLEKNYPTP RTSRTGHGGV NQLGGVFNNG RPLPDVVRQR IVELAHQGVR PCDISRQLRV</p> <p>SHGCVSKILG RYYETGSIKP GVIGGSKPKV ATPKVVEKIA EYKRQNPTMF AWEIRDRLLA</p> <p>ERVCDNDTVP SVSSINRIIR TKVQPPNPQ VPASSHSIVS TGSVTQVSSV STDSAGSSYS</p> <p>ISGILGITSP SADTNKRKRD EGIQESVPVN GHSLPGRDFL RKQMRGDLFT QQQLEVLDRV</p> <p>FERQHYSDIF TTTEPIKPEQ TTEYSAMASL AGGLDDMKAN LASPTPADIG SSVPGPQSY</p> <p>IVTGRDLAST TLPGYPPHPV PAGQGSYSAP TLTGMVPGSE FSGSPYSHPQ YSSYNDSWRF</p> <p>PNPGLLGSPY YYSAAARGAA PPAAATAYDR H <b>Sequence without tag. The proposed</b></p> <p><b>Purification-Tag is based on experiences with the expression system, a different complexity</b></p> <p><b>of the protein could make another tag necessary. In case you have a special request, please</b></p> <p><b>contact us.</b></p>
Characteristics:	Key Benefits:

## Product Details

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- 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.

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

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Target:	PAX5
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Alternative Name:	PAX5 ( <a href="#">PAX5 Products</a> )
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Background:	<p>Paired box protein Pax-5 (B-cell-specific transcription factor) (BSAP),FUNCTION: Transcription factor that plays an essential role in commitment of lymphoid progenitors to the B-lymphocyte lineage (PubMed:10811620, PubMed:27181361). Fulfills a dual role by repressing B-lineage inappropriate genes and simultaneously activating B-lineage-specific genes (PubMed:10811620, PubMed:27181361). In turn, regulates cell adhesion and migration, induces V(H)-to-D(H)J(H) recombination, facilitates pre-B-cell receptor signaling and promotes development to the mature B-cell stage (PubMed:32612238). Repression of the cohesin-release factor WAPL causes global changes of the chromosomal architecture in pro-B cells to facilitate the generation of a diverse antibody repertoire (PubMed:32612238).</p> <p>{ECO:0000269 PubMed:10811620, ECO:0000269 PubMed:27181361, ECO:0000269 PubMed:32612238}., FUNCTION: (Microbial infection) Plays an essential role in the maintenance of Epstein-Barr virus genome copy number within the host cell by promoting EBNA1/oriP-dependent binding and transcription (PubMed:31941781). Participates also in the inhibition of lytic EBV reactivation by modulating viral BZLF1 activity (PubMed:23678172).</p>
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## Target Details

{ECO:0000269|PubMed:23678172, ECO:0000269|PubMed:31941781}.

Molecular Weight: 42.1 kDa

UniProt: [Q02548](#)

## 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.

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