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Datasheet for ABIN7550602  
**PAX4 Protein (AA 1-350) (His tag)**

## Overview

Quantity:	1 mg
Target:	PAX4
Protein Characteristics:	AA 1-350
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAX4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat PAX4 Protein expressed in mammalian cells.
Sequence:	MHQDGISSMN QLGGLFVNGR PLPLDTRQVI VRLAVSGMRP CDISRILKVS NGCVSKILGR YYRTGVLEPK GIGGSKPRLA TPPVVARIAQ LKGECPALFA WEIQRQLCAE GLCTQDKTPS VSSINRVLRA LQEDQGLPCT RLRSPAVLAP AVLTPHSGSE TPRGTHPGTG HRNRTIFSPS QAEALEKEFQ RGQYPDSVAR GKLATATSLP EDTVRVWFSN RRAKWRRQEK LKWEMQLPGA SQGLTVPRVA PGIISAQQSP GSVPTAALPA LEPLGPSCYQ LCWATAPERC LSDTPPKACL KPCWDCGSFL LPVIAPSCVD VAWPCLDASL AHHLIGGAGK ATPTHFSHWP <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>
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:	PAX4
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Alternative Name:	PAX4 ( <a href="#">PAX4 Products</a> )
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Background:	Paired box protein Pax-4,FUNCTION: Plays an important role in the differentiation and development of pancreatic islet beta cells. Transcriptional repressor that binds to a common element in the glucagon, insulin and somatostatin promoters. Competes with PAX6 for this same promoter binding site. Isoform 2 appears to be a dominant negative form antagonizing PAX4 transcriptional activity.
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Molecular Weight:	37.8 kDa
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UniProt:	<a href="#">O43316</a>
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## Application Details

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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

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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