

Datasheet for ABIN7550662  
**PAX8 Protein (AA 1-450) (His tag)**



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## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | PAX8  |
| Protein Characteristics:      | AA 1-450                                    |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This PAX8 protein is labelled with His tag. |
| Application:                  | Western Blotting (WB), SDS-PAGE (SDS)       |

## Product Details

|           |  |
|-----------|--|
| Purpose:  | Custom-made recombinat PAX8 Protein expressed in mammalian cells.  |
| Sequence: | <p>MPHNSIRSGH GGLNQLGGAF VNGRPLPEVV RQRIVDLAHQ GVRPCDISRQ LRVSHGCVSK<br/>         ILGRYYETGS IRPGVIGGSK PKVATPKVVE KIGDYKRQNP TMFAWEIRDR LLAEGVCDND<br/>         TVPSVSSINR IIRTKVQQPF NLPMDSCVAT KSLSPGHTLI PSSAVTPPES PQSDSLGSTY<br/>         SINGLLGIAQ PGSDKRKMDD SDQDSCRLSI DSQSSSSGPR KHLRTDAFSQ HHLEPLECPF<br/>         ERQHYPEAYA SPSHTKGEQG LYPLPLLNST LDDGKATLTP SNTPLGRNLS THQTYPVVAD<br/>         PHSPFAIKQE TPEVSSSSST PSSLSSSAFL DLQQVGSVGP PFNAFPHAAS VYGQFTGQAL<br/>         LSGREMGVPT LPGYPPHIPT SGQGSYASSA IAGMVAGSEY SGNAYGHTPY SSYSEAWRFP<br/>         NSSLLSPYY YSSTRPSAP PTTATAFDHL <b>Sequence without tag. The proposed Purification-<br/>         Tag is based on experiences with the expression system, a different complexity of the<br/>         protein could make another tag necessary. In case you have a special request, please<br/>         contact us.</b></p> |

## Product Details

### 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, Western Blot

### Grade:

custom-made

## Target Details

### Target:

PAX8

### Alternative Name:

PAX8 ([PAX8 Products](#))

### Background:

Paired box protein Pax-8, FUNCTION: Transcription factor for the thyroid-specific expression of the genes exclusively expressed in the thyroid cell type, maintaining the functional differentiation of such cells.

### Molecular Weight:

48.2 kDa

### UniProt:

[Q06710](#)

### Pathways:

[Thyroid Hormone Synthesis](#), [Regulation of Hormone Metabolic Process](#), [Stem Cell Maintenance](#), [Tube Formation](#)

## 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.

Application Details

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  |