

Datasheet for ABIN7559451  
**Paxx Protein (AA 1-205) (His tag)**



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## Overview

Quantity:	1 mg
Target:	Paxx
Protein Characteristics:	AA 1-205
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Paxx protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Paxx Protein expressed in mammalian cells.
Sequence:	<p>MAPLLSLPL CILPPGSGSP RLVCYCERDS GGDGDRDDFN LYVTDAELW STCFSPDSL RLKARFGLSG AEDIHSRFRA ACQQAVTVS LQEDRALITL SGDTPALAFD LSKVPSPEAA PRLQALTLSL AEHVCNLERR LAAAETITS PKKNTQPAGT QFLPELDHQR GSSGPGVRRR CPGESLINPG FSKKPAAGV DFDET <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></p>
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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and</li></ul>

## Product Details

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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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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## Target Details

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Target:	Paxx
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Alternative Name:	Paxx ( <a href="#">Paxx Products</a> )
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Background:	<p>Protein PAXX (Paralog of XRCC4 and XLF),FUNCTION: Non-essential DNA repair protein involved in DNA non-homologous end joining (NHEJ), participates in double-strand break (DSB) repair and V(D)J recombination (PubMed:27601299, PubMed:27798842, PubMed:27601633, PubMed:27830975, PubMed:28051062, PubMed:29077092). May act as a scaffold required for accumulation of the Ku heterodimer, composed of XRCC5/Ku80 and XRCC6/Ku70, at double-strand break sites and promote the assembly and/or stability of the NHEJ machinery (PubMed:28051062). Involved in NHEJ by promoting the ligation of blunt-ended DNA ends (By similarity). Together with NHEJ1/XLF, collaborates with DNA polymerase lambda (POLL) to promote joining of non-cohesive DNA ends (By similarity). Constitutes a non-essential component of classical NHEJ: has a complementary but distinct function with NHEJ1/XLF in DNA repair (PubMed:27601299, PubMed:27798842, PubMed:27830975, PubMed:28051062). {ECO:0000250 UniProtKB:Q9BUH6, ECO:0000269 PubMed:27601299, ECO:0000269 PubMed:27601633, ECO:0000269 PubMed:27798842, ECO:0000269 PubMed:27830975, ECO:0000269 PubMed:28051062, ECO:0000269 PubMed:29077092}.</p>
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Molecular Weight:	22.0 kDa
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## Target Details

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UniProt: [Q8K0Y7](#)

## Application Details

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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

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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