

Datasheet for ABIN7553851  
**EYA4 Protein (AA 1-639) (His tag)**



[Go to Product page](#)

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | EYA4  |
| Protein Characteristics:      | AA 1-639                                    |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This EYA4 protein is labelled with His tag. |

## Product Details

|           |   |
|-----------|---|
| Purpose:  | Custom-made recombinant EYA4 Protein expressed in mammalian cells.  |
| Sequence: | MEDSQDLNEQ SVKKTCTESD VSQSQNSRSM EMQDLASPHT LVGGGDTPGS SKLEKSNLSS<br>TSVTTNGTGG ENMTVLNTAD WLLSCNTPSS ATMSLLAVKT EPLNSSETTA TTGDGALDTF<br>TGSVITSSGY SPRSAHQYSP QLYPSKPYPH ILSTPAAQTM SAYAGQTQYS GMQQPAVYTA<br>YSQTGQPYSL PTYDLGVMLP AIKTESGLSQ TQSPLQSGCL SYSPGFSTPQ PGQTPYSYQM<br>PGSSFAPSST IYANNSVSNS TNFSGSQDY PSYTAFGQNNQ YAQYYSASTY GAYMTSNNTA<br>DGTPSSTSTY QLQESLPGLT NQPGFDTMQ SPSTPIKDLD ERTCRESSGSK SRGRGRKNNP<br>SPPPDSLER VFWWDLDETI IVFHSLTGS YAQKYGK DPP MAVTLGLRME EMIFNLADTH<br>LFFNDLEECD QVHIDDVSSD DNGQDLSTYS FATDGFHAAA SSANLCLPTG VRGGVDWMRK<br>LAFRYRRVKE LYNTYKNNVG GLLGPAKRDA WLQLRAEIEG LTDSWLTNAL KSLSIISTR<br>NCINLVTTT QLIPALAKVL LYSLGGAFPI ENIYSATKIG KESCFERIMQ RFGRKVVVV<br>IGDGVVEEQE AKKHNMFWR ISSHSDLLAL HQALELEYL <b>Sequence without tag. The proposed<br/>Purification-Tag is based on experiences with the expression system, a different complexity</b> |

## Product Details

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**of the protein could make another tag necessary. In case you have a 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

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Target: EYA4

Alternative Name: EYA4 ([EYA4 Products](#))

Background: Eyes absent homolog 4 (EC 3.1.3.48),FUNCTION: Tyrosine phosphatase that specifically dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph). 'Tyr-142' phosphorylation of histone H2AX plays a central role in DNA repair and acts as a mark that distinguishes between apoptotic and repair responses to genotoxic stress. Promotes efficient DNA repair by dephosphorylating H2AX, promoting the recruitment of DNA repair complexes containing MDC1. Its function as histone phosphatase probably explains its role in transcription regulation during organogenesis. May be involved in development of the eye (By similarity).  
{ECO:0000250|UniProtKB:Q99502}.

## Target Details

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Molecular Weight: 69.5 kDa

UniProt: [O95677](#)

Pathways: [Sensory Perception of Sound](#)

## 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