

Datasheet for ABIN7565272
EYA4 Protein (AA 1-616) (His tag)



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Overview

Quantity:	1 mg
Target:	EYA4
Protein Characteristics:	AA 1-616
Origin:	Mouse
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:	MEDTQDLNEQ SVKKTCEPAD VSEPQNSRSM EMQDLASPHA LVGGSDTPGS SKLDKSGLSS TSVTTNGTGV SLLAVKTEPL HSSESTTTTG DGALDFTTGS VITSSGYSPR SAQQYSPQLY PSKPYPHILS TPAAQTMSAY AGQTQYSGMQ QPAVYTAYSQ TGQPYSLPAY DLGVMLPAIK TESGLSQTQS PLQSGCLSYS PGFSTPQPGQ TPYSYQMPGS SFAPSSTIYA NNSVSNSTNF SSSQDYPSY TAFGQNQYAQ YYSASTYGAY MTSNNTADGT SSSTSTYQLQ ESLQGLTSQP GEFDTVQSPS TPIKDLDDRT CRSSGSKSRG RGRKNNPSPP PSDLERVFV WLDDETIIVF HSLLTGSYAQ KYGKDPPMAV TLGLRMEEMI FNLADTHLFF NDLEECDQVH IDDVSSDDNG QDLSTYSFAT DGFHAAASSA NLCLPTGVRG GVDWMRKLAF RYRRVKELYN TYKNNVGGLL GPAKRDAWLQ LRAEIEGLTD SWLTNALKSL SIISTRNCV NVLVTQTQLI PALAKVLLYS LGGAFPIENI YSATAKIGKES CFERIVSRFG TNITYVVIGD GRDEEHAANQ HNMPFWRISS HSDLLALHQA LELEYL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make

Product Details

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

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}.

Molecular Weight: 66.9 kDa

Target Details

UniProt: [Q9Z191](#)

Pathways: [Sensory Perception of Sound](#)

Application Details

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

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
