9051 Mira Mesa Blvd, #910094
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# EYA2 Human

*Eyes Absent Homolog 2 Human Recombinant*
*RCP0795*

## Product Overview

| | |
|---|---|
| Name | EYA2 Human |
| **Description** | |
| Eyes Absent Homolog 2 Human Recombinant | |
| Accession (Primary) | O00167 |
| **Synonyms** | |
| Eyes absent homolog 2 (Drosophila), EAB1, EC 3.1.3.48. | |
| **Introduction** | |
| EYA2 belongs to tyrosine phosphatase family which specifically dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph). EYA2 promotes effective DNA mending by dephosphorylating H2AX, promoting the enlistment of DNA repair complexes having MDC1. EYA2 role as histone phosphatase can explain its part in transcription regulation during organogenesis. | |
| **Source** | |
| E.coli. | |
| **Physical Appearance** | |
| Sterile Filtered colorless solution. | |
| **Formulation** | |
| The EYA2 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 40% glycerol. | |
| **Stability** | |
| Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. | |
| **Purity** | |
| Greater than 90% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| MGSSHHHHHH SSGLVPRGSH MGSM ERVFVW DLDETIIIFH SLLTGTFASR YGKDTTTSVR IGLMMEEMIF NLADTHLFFN DLEDCDQIHV DDVSSDDNGQ DLSTYNFSAD GFHSSAPAAN LCLGSGVHGG VDWMRKLAFR YRRVKEMYNT YKNNVGGLIG TPKRETWLQL RAELEALTDL WLTHSLKALN LINSRPNCVN VLVTTTQLIP ALAKVLLYGL GSVFPIENIY SATKTGKESC FERIMQRFGR KAVYVVIGDG VEEEQGAKKH NMPFWRISCH ADLEALRHAL ELEYL. | |

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**Precautions**

EYA2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( O00167 )