

## Recombinant Human EYA2 protein, His-tagged

**Cat. No.** EYA2-3101H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human EYA2 protein(241-583 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 241-583 aa                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.                                                                                            |
| <b>AA Sequence</b>      | LSYGSSFSTSPGTGQSPYTYQMHGTTGFYQGGNGLGNAAGFGSVHQDYPSPYPGFP<br>QSQYPQYYGSSYNPPYVPASSICPSPLSTSTYVLQEASHNVPNQSSESLAGEYNTH<br>NGPSTPAKEGDTDRPHRASDGKLRGRSKRSSDPSPAGDNEIERVFVWDLDETIIFH<br>SLLTGTFASRYGKDTTTSVRIGLMMMEEMIFNLADTHLFFNDLEDQIHVDDVSSDD<br>NGQDLSTYNFSADGFHSSAPGANLCLGSGVHGGVDWMRKLAFRYRRVKEMYNTY<br>KNNVGGKESCFERIMQRFGRKAVYVIGDGVVEEQGAKKHNMFPWRISCHADLEAL<br>RHALELEYL |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer                                                                                                                                                                                                                                       |

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.  
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** EYA2 eyes absent homolog 2 (Drosophila) [ Homo sapiens ]

**Official Symbol** EYA2

**Synonyms** EYA2; eyes absent homolog 2 (Drosophila); eyes absent (Drosophila) homolog 2; eyes absent homolog 2; EAB1; MGC10614;

**Gene ID** 2139

**mRNA Refseq** NM\_005244

**Protein Refseq** NP\_005235

**MIM** 601654

**UniProt ID** O00167

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