

# Recombinant Full Length Human EYA1 Protein, GST-tagged

**Cat. No.** EYA1-4456HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human EYA1 full-length ORF (BAG54573.1, 1 a.a. - 470 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 470 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | This gene encodes a member of the eyes absent (EYA) family of proteins. The encoded protein may play a role in the developing kidney, branchial arches, eye, and ear. Mutations of this gene have been associated with branchiootorenal dysplasia syndrome, branchiootic syndrome, and sporadic cases of congenital cataracts and ocular anterior segment anomalies. A similar protein in mice can act as a transcriptional activator. Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Dec 2013] |
| <b>Molecular Mass</b>   | 78.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | <p>                     MQQATAYATYPQPGQPYPYGISSYGIKTEGGLSQSQSPGQTGFLSYGTSFSTPQPGQ<br/>                     APYSYQMQGSSFTTSSGIYTGNNSLTNSSGFNSSQQDYPSYPSFGQGQYAQYYNS<br/>                     SPYPAHYMTSSNTSPTTPSTNATYQLQEPPSGITSQAVTDPTAEYSTIHSPSTPIKDS<br/>                     DSDRLRRGSDGKSRGRGRSNNPSPPPDSDLERVFIWDLDETIIVFHSLLTGSYANR<br/>                     YGRDPPTSVSLGLRMEEMIFNLADTHLFFNDLEECDQVHIDDVSSDDNGQDLSTYN<br/>                     FGTDGFPA AATSANLCLATGVRGGVDWMRKLAFRYRRVKEIYNTYKNNVGGLLGPA                 </p>                  |

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KREAWLQLRAEIEALTDSWLTLALKALSLIHSRTNCVNILVTTTQLIPALAKVLLYGLGI  
VFPIENIYSATKIGKESCFERIIQRFGKVVYVIGDGVVEEQGAKKHAMPFWRISSH  
SDLMALHHALELEYL

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

EYA1 eyes absent homolog 1 (Drosophila) [ Homo sapiens ]

**Official Symbol**

EYA1

**Synonyms**

EYA1; eyes absent homolog 1 (Drosophila); BOR, eyes absent (Drosophila) homolog 1; eyes absent homolog 1; BOP; BOR; MGC141875;

**Gene ID**

2138

**mRNA Refseq**

NM\_000503

**Protein Refseq**

NP\_000494

**MIM**

601653

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UniProt ID

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