

Recombinant Human EYA1

Cat. No. EYA1-26641TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 100-170 of Human EYA1, with an N-terminal proprietary tag, predicted MWt 33.44 kDa
Species	Human
Source	Wheat Germ
ProteinLength	71 amino acids
Description	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. Four transcript variants encoding three distinct isoforms have been identified for this gene.
Molecular Weight	33.440kDa inclusive of tags
Tissue specificity	In the embryo, highly expressed in kidney with lower levels in brain. Weakly expressed in lung. In the adult, highly expressed in heart and skeletal muscle. Weakly expressed in brain and liver. No expression in eye or kidney.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	TPSSQTMAAYGQTQFTTGMQQATAYATYPQPGQPYGISSYGALWAGIKTEGGLSQ SQSPGQTGFLSYGTSF
Sequence Similarities	Belongs to the HAD-like hydrolase superfamily. EYA family.

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;
Gene ID	2138
mRNA Refseq	NM_000503
Protein Refseq	NP_000494
MIM	601653
Uniprot ID	Q99502

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Chromosome Location	8q13.3
Pathway	Transcriptional misregulation in cancers, organism-specific biosystem; Transcriptional misregulation in cancers, conserved biosystem;
Function	hydrolase activity; metal ion binding; protein tyrosine phosphatase activity;

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