

Recombinant Full Length Human EYA4 Protein, GST-tagged

Cat. No. EYA4-4459HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EYA4 full-length ORF (NP_742101.2, 1 a.a. - 616 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	616 amino acids
Description	This gene encodes a member of the eyes absent (EYA) family of proteins. The encoded protein may act as a transcriptional activator through its protein phosphatase activity, and it may be important for eye development, and for continued function of the mature organ of Corti. Mutations in this gene are associated with postlingual, progressive, autosomal dominant hearing loss at the deafness, autosomal dominant non-syndromic sensorineural 10 locus. The encoded protein is also a putative oncogene that mediates DNA repair, apoptosis, and innate immunity following DNA damage, cellular damage, and viral attack. Defects in this gene are also associated with dilated cardiomyopathy 1J. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2014]
Molecular Mass	93.5 kDa
AA Sequence	MEDSQDLNEQSVKKTCTESDVSQSQNSRSMEMQDLASPHTLVGGGDTPGSSKLE KSNLSSTSVTTNGTGVSL LAVKTEPLNSSETTATTGDGALDTFTGSVITSSGYSPRSA HQYSPQLYPSKPYPHILSTPAAQTMSAYAGQTQYSGMQQPAVYTAYSQTGQPYSL

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PTYDLGVMLPAIKTESGLSQTQSPLQSGCLSYSPGFSTPQPGQTPYSYQMPGSSFA
 PSSTIYANNSVSNSTNFSGSQQDYPSYAFGQNQYAQYYSASTYGAYMTSNNTAD
 GTPSSTSTYQLQESLPGLTNQPGFDTMQSPSTPIKDLDERTCRSSGSKSRGRGRK
 NNPSPPPDSDLERVFWDLDETIIVFHSLLTGSYAQKYGKDPPMAVTLGLRMEEMIF
 NLADTHLFFNDLEECDQVHIDDVSSDDNGQDLSTYSFATDGFHAAASSANLCLPTG
 VRGGVDWMRKLAFRYRRVKELYNTYKNNVGGLLGPAKRDAWLQLRAEIEGLTDSW
 LTNALKSLSIISTRNINCINLVTTTQLIPALAKVLLYSLGGAFPIENIYSATKIGKESCFE
 RIMQRFGRKVYVYVIGDGVEEEQAACKHNMPFWRISHSDDLALHQALELEYL

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

EYA4 eyes absent homolog 4 (Drosophila) [Homo sapiens]

Official Symbol

EYA4

Synonyms

EYA4; eyes absent homolog 4 (Drosophila); CMD1J, DFNA10, eyes absent (Drosophila) homolog 4; eyes absent homolog 4; dJ78N10.1 (eyes absent); CMD1J; DFNA10;

Gene ID

2070

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mRNA Refseq	NM_004100
Protein Refseq	NP_004091
MIM	603550
UniProt ID	O95677

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