



Recombinant Human Eyes absent homolog 2 (EYA2)

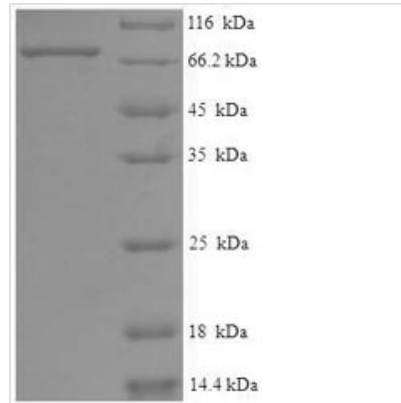
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|--------------------------|---|
| Product Code | CSB-EP007907HU |
| Relevance | Functions both as protein phosphatase and as transcriptional coactivator for SIX1, and probably also for SIX2, SIX4 and SIX5. Tyrosine phosphatase that dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph) and promotes efficient DNA repair via the recruitment of DNA repair complexes containing MDC1. 'Tyr-142' phosphorylation of histone H2AX plays a central role in DNA repair and acts as a mark that distinguishes between apoptotic and repair responses to genotoxic stress. Its function as histone phosphatase may contribute to its function in transcription regulation during organogenesis. Plays an important role in hypaxial muscle development together with SIX1 and DACH2; in this it is functionally redundant with EYA1. |
| Abbreviation | Recombinant Human EYA2 protein |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | O00167 |
| Product Type | Recombinant Proteins |
| Immunogen Species | Homo sapiens (Human) |
| Purity | ≥ 90% as determined by SDS-PAGE. |
| Sequence | MVELVISPSLTVNSDCLDKLKFNRADAAVWTLSDRQGITKSAPLRVSQLFSRS CPRVLP RPQPSTAMAAYGQTQYSAGIQQATPYTAYPPPAQAYGIPSFSTSP TG QSPYTYQM HGTTGFYQGGNGLGNAAGFGSVHQDYPSYPGF PQSQYPQYYG SSYNPPYVPASSICPSPLSTSTYVLQEASHNVPNQSS ESLAGEYNTHNGPSTP AKEGDTDRPHRASDGKLRGRSKRSSDPSPAGDNEIERVFVWDLDETIIFHSL L TGTFASRYGKDTTTSVRIGLMM EEMIFNLADTHLFFNDLED CDQIHVDDVSSD DNGQDLSTYNFSADGFHSSAPGANLCLGSGVHGGVDW MRKLAFRYRRVKE MYNTYKNNVGGLIGTPKRETWLQLRAELEALTDLWLTHSLKALNLINSRPNCV NVLVTTTQLIPALAKVLLYGLGSVFPIENIYSATKTGKESCFERIMQRFGRKAVY VVIGDGV EEEQGAKKHNM PFWRISCHADLEALRHALELEYL |
| Research Area | Epigenetics and Nuclear Signaling |
| Source | E.coli |
| Target Names | EYA2 |
| Expression Region | 1-514aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 6xHis-SUMO-tagged |



Mol. Weight 72.7kDa

Protein Length Full Length of Isoform 2

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Shelf Life

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