

## Recombinant Human EPHX2 Protein, His-tagged

Cat. No. EPHX2-34H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human EPHX2(2-555) protein with a N-terminal His-tag was expressed in Sf21 cells.                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 2-555                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | This gene encodes a member of the epoxide hydrolase family. The protein, found in both the cytosol and peroxisomes, binds to specific epoxides and converts them to the corresponding dihydrodiols. Mutations in this gene have been associated with familial hypercholesterolemia. Alternatively spliced transcript variants have been described. |
| <b>Molecular Mass</b>   | 64 kDa                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | ≥95% estimated by SDS-PAGE                                                                                                                                                                                                                                                                                                                         |
| <b>Unit Definition</b>  | One unit hydrolyzes 1 nmol/min of PHOME at 37 centigrade in. Detected by fluorescence of product; Ex. 330 nm, Em. 465 nm and measured against a standard curve of 6-methoxy-2-napthaldehyde.                                                                                                                                                       |
| <b>Stability</b>        | ≥ 2 years                                                                                                                                                                                                                                                                                                                                          |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** Store it at -80 centigrade

## GENE INFORMATION

**Gene Name** EPHX2 epoxide hydrolase 2 [ Homo sapiens (human) ]

**Official Symbol** EPHX2

**Synonyms** EPHX2; epoxide hydrolase 2; CEH; SEH; ABHD20; bifunctional epoxide hydrolase 2; epoxide hydratase; epoxide hydrolase 2, cytoplasmic; epoxide hydrolase 2, cytosolic; epoxide hydrolase, soluble

**Gene ID** 2053

**mRNA Refseq** NM\_001256482

**Protein Refseq** NP\_001243411

**MIM** 132811

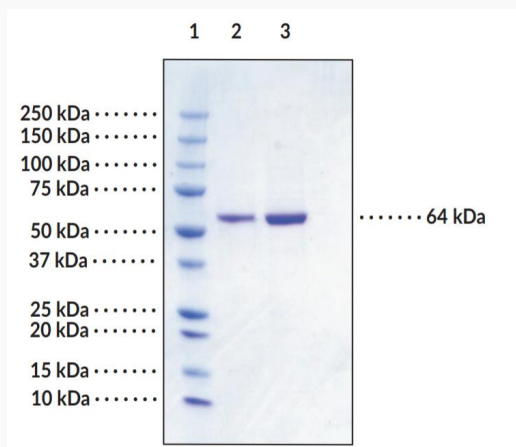
**UniProt ID** P34913

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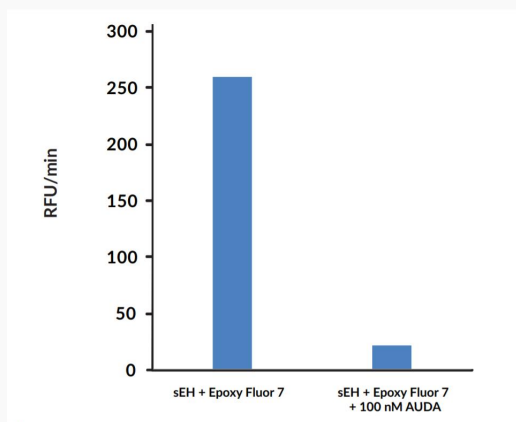
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### SDS-PAGE Analysis of EPHX2



Lane 1: MW Markers; Lane 2: Soluble Epoxide Hydrolase (2 µg); Lane 3: Soluble Epoxide Hydrolase (4 µg). Representative gel image shown; actual purity may vary between each batch.

### Inhibition of sEH by AUDA



Data generated using protocols from Soluble Epoxide Hydrolase Inhibitor Screening Assay Kit.

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