

# Recombinant Full Length Human ENOX2 Protein, GST-tagged

**Cat. No.** ENOX2-150HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ENOX2(1 a.a. - 317 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1 a.a. - 317 a.a.                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | This gene is a tumor-specific member of the ECTO-NOX family of genes that encode cell surface NADH oxidases. The encoded protein has two enzymatic activities: catalysis of hydroquinone or NADH oxidation, and protein disulfide interchange. The protein also displays prion-like properties. Alternative splicing results in multiple transcript variants.                  |
| <b>Molecular Mass</b>   | 60.61 kDa                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MIQSANSHVR RLVNEKAAHE KDMEEAKEKF KQALSGILIQ FEQIVAVYHS<br>ASKQKAWDHF TKAQRKNISV WCKQAEIIRN IHNDELMGIR REEEMEMSDD<br>EIEEMTETKE TEESVSQAEA LKEENDSLRW QLDAYRNEVE LLKQEQGKVH<br>REDDPNKEQQ LKLLQQALQG MQQHLLKVQE EYKKKEAELE KLKDDKLQVE<br>KMLENLKEKE SCASRLCASN QDSEYPLEKT MNSSPIKSER EALLVGIIST<br>FLHVHPFGAS IEYICSYLHR LDNKICTSDV ECLMGRLQHT FKQEMTGAVA<br>SLEKRWKFCG FEGLKLT |

 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

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Applications</b>   | ELISA; WB-Re; AP; Array                                                  |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ENOX2 ecto-NOX disulfide-thiol exchanger 2 [ Homo sapiens (human) ]                                                                                                                              |
| <b>Official Symbol</b> | ENOX2                                                                                                                                                                                            |
| <b>Synonyms</b>        | ENOX2; ecto-NOX disulfide-thiol exchanger 2; APK1; tNOX; COVA1; ecto-NOX disulfide-thiol exchanger 2; APK1 antigen; cytosolic ovarian carcinoma antigen 1; tumor-associated hydroquinone oxidase |
| <b>Gene ID</b>         | 10495                                                                                                                                                                                            |
| <b>mRNA Refseq</b>     | NM_006375                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_006366                                                                                                                                                                                        |
| <b>MIM</b>             | 300282                                                                                                                                                                                           |
| <b>UniProt ID</b>      | Q16206                                                                                                                                                                                           |

 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