

# Ecto-NOX disulfide-thiol exchanger 2 (ENOX2) Recombinant Protein | ENOX2 recombinant protein

Recombinant Human Ecto-NOX disulfide-thiol exchanger 2 (ENOX2)

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA117622</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
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## PRODUCT SYNONYMS

Ecto-NOX disulfide-thiol exchanger 2 (ENOX2); Recombinant Human Ecto-NOX disulfide-thiol exchanger 2 (ENOX2); ENOX2 recombinant protein

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence Positions      | 1-610aa; Full Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sequence                | MQRDFRWLVV YEIGYAADNS RTLNVDSTAM TLPMSDPTAW ATAMNNLGMA PLGIAGQPIL PDFDPALGMM<br>TGIPPITPMM PGLGIVPPPI PPDMPVVKEI IHCKSCTLFP PNPNLPPPAT RERPPGCKTV FVGGLPENG<br>EQIIVEVFEQ CGEIIAIRKS KKNFCHIRFA EEYMVDKALY LSGYRIRLGS STDKKDTGRL HVDFQARDD<br>LYWECKQRM LAREERHRRR MEEERLRPPS PPPVVHYS DH ECSIVAEK LK DDSKFSEAVQ TLLTWIERGE<br>VNRRSANNFY SMIQSANS HV RRLVNEKAAH EKDMEEAKEK FKQALSGILI QFEQIVAVYH SASKQAWDH<br>FTKAQRKNIS VWCKQAEIR NIHNDLMGI RREEEMEMSD DEIEEMTETK ETEESALVSQ AEALKEENDS<br>LRWQLDAYRN EVELLKQEQG KVHREDDPNK EQQLKLLQQA LQGMQQHLLK VQEEYKKKEA ELEKLKDDKL<br>QVEKMLENLK EKESCASRLC ASNQDSEYPL EKTMMNSSPIK SEREALLVGI ISTFLHVHPF GASIEYICSY<br>LHRLDNKICT SDVECLMGRL QHTFKQEMTG VGASLEKRWK FCGFEGLKLT |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## ADDITIONAL INFORMATION

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| Related Product Information for ENOX2 recombinant protein | This protein is a growth-related cell surface protein. It was identified because it reacts with the monoclonal antibody KI in cells, such as the ovarian carcinoma line OVCAR-3, also expressing the CAKI surface glycoprotein. The encoded protein has two enzymatic activities: catalysis of hydroquinone or NADH oxidation, and protein disulfide interchange. The two activities alternate with a period length of about 24 minutes. The encoded protein also displays prion-like properties. Two transcript variants encoding different isoforms have been found for this gene. |
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## NCBI AND UNIPROT INFORMATION

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|---------------------------|----------------------------------------------------------------|
| NCBI GI #                 | 528524612                                                      |
| NCBI GeneID               | 10495                                                          |
| NCBI Accession #          | NP_001268665.1                                                 |
| NCBI GenBank Nucleotide # | NM_001281736.1                                                 |
| UniProt Accession #       | Q16206; Q5VTJ1; Q5VTJ2; Q8WUX0; Q9NTP6; Q9UH82; A8K197; A8K1C2 |
| Molecular Weight          | 66,621 Da                                                      |

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI Official Full Name          | ecto-NOX disulfide-thiol exchanger 2 isoform a |
| NCBI Official Synonym Full Names | ecto-NOX disulfide-thiol exchanger 2           |
| NCBI Official Symbol             | ENOX2                                          |
| NCBI Official Synonym Symbols    | APK1; tNOX; COVA1                              |
| NCBI Protein Information         | ecto-NOX disulfide-thiol exchanger 2           |
| UniProt Protein Name             | Ecto-NOX disulfide-thiol exchanger 2           |
| UniProt Gene Name                | <b>ENOX2</b>                                   |
| UniProt Synonym Gene Names       | COVA1; tNOX                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/enox2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117622>