

Full-Length

ENOX2 (Human) Recombinant Protein (P01)

Catalog # H00010495-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ENOX2 full-length ORF (AAH19254, 1 a.a. - 317 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MIQSANSHVRRLLVNEKAAHEKDMEEAKEKFKQALSGILIQFEQIVAVYHSASKQKAWDHFTKAQR
KNISVWCKQAAEEIRNIHNDELGMIRREEEMEMSDDEIEEMTETKETEESVSQAEALKEENDSLRW
QLDAYRNEVELLKQEQGKVHREDDPNKEQQLKLLQQALQGMQQHLLKVQEEYKKKEAELEKLK
DDKLQVEKMLENLKEKESCASRLCASNQDSEYPLEKTMNSSPIKSEREALLVGIISTFLHVHPFGA
SIEYICSYLHRLDNKICTSDVECLMGRLQHTFKQEMTGVGASLEKRWKFCGFEGCLKLT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.61

Interspecies Antigen Sequence

Mouse (90)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ENOX2

Entrez GeneID[10495](#)**GeneBank Accession#**[BC019254](#)**Protein Accession#**[AAH19254](#)**Gene Name**

ENOX2

Gene Alias

APK1, COVA1, tNOX

Gene Description

ecto-NOX disulfide-thiol exchanger 2

Omim ID[300282](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene 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. [provided by RefSeq]

Other Designations

APK1 antigen|OTTHUMP00000024021|OTTHUMP00000024022|cytosolic ovarian carcinoma antigen 1