

Ecto-NOX Disulfide-Thiol Exchanger 2 (ENOX2) Recombinant Protein | ENOX2 recombinant protein

Recombinant Human Ecto-NOX Disulfide-Thiol Exchanger 2 (ENOX2), Partial

CATALOG # AAA235623	HOST E Coli
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PRODUCT SYNONYMS

Ecto-NOX Disulfide-Thiol Exchanger 2 (ENOX2); Recombinant Human Ecto-NOX Disulfide-Thiol Exchanger 2 (ENOX2); Partial; APK1 antigen; Cytosolic ovarian carcinoma antigen 1; Tumor-associated hydroquinone oxidase; tNOX; COVA1; ENOX2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Specificity	Found in the sera of cancer patients with a wide variety of cancers including breast, prostate, lung and ovarian cancers, leukemias, and lymphomas. Not found in the serum of healthy volunteers or patients with disorders other than cancer. Probably shed into serum by cancer cells. Found on the cell borders of renal, kidney and ovarian carcinomas but not on the borders of surrounding non-cancerous stromal cells.
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	327-610aa; Partial
Sequence	GILIQFEQIV AVYHSASKQK AWDHFTKAQR KNISVWCKQA EEIRNIHNDE LMGIRREEEM EMSDDEIEEM TETKETEESA LVSQAEALKE ENDSLRLWQLD AYRNEVELLK QEQGVHRED DPNKEQQLKL LQQALQGMQQ HLLKVQEEYK KKEAELEKLK DDKLQVEKML ENLKEKESCA SRLCASNQDS EYPLEKTMNS SPIKSEREAL LVGIISTFLH VHPFGASIEY ICSYLHRLDN KICTSDVECL MGRQLHTFKQ EMTGVGASLE KRWKFCGFEG LKLT
Species	Human
Tag	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Subcellular Location	Cell Membrane, Secreted, Extracellular Space
Protein Families	ENOX family
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for ENOX2 recombinant protein	May be involved in cell growth. Probably acts as a terminal oxidase of plasma electron transport from cytosolic NAD(P)H via hydroquinones to acceptors at the cell surface. Hydroquinone oxidase activity alternates with a protein disulfide-thiol interchange/oxidoreductase activity which may control physical membrane displacements associated with vesicle budding or cell enlargement. The activities oscillate with a period length of 22 minutes and play a role in control of the ultradian cellular biological clock.
Product Categories/Family for ENOX2 recombinant protein	Cancer
References	"Inhibition of plasma membrane NADH oxidase activity and growth of HeLa cells by natural and synthetic retinoids." Dai S., Morre D.J., Geilen C.C., Almond-Roesler B., Orfanos C.E., Morre D.M. Mol. Cell. Biochem. 166:101-109(1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	528524612
NCBI GeneID	10495
NCBI Accession #	NP_001268665.1
NCBI GenBank Nucleotide #	NM_001281736.1
UniProt Accession #	Q16206
Molecular Weight	40.1 kDa
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	ENOX2
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.

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Online datasheet: <https://stage.aaabiotech.com/enox2-recombinant-protein-e-coli/235623>