

Recombinant Human ENOX1, His-tagged

Cat. No. ENOX1-28568TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 269-643 of Human ENOX1 with an N terminal His tag; Predicted MWt 45 kDa;
Species	Human
Source	E.coli
ProteinLength	269-643 a.a.
Description	Electron transport pathways are generally associated with mitochondrial membranes, but non-mitochondrial pathways are also biologically significant. Plasma membrane electron transport pathways are involved in functions as diverse as cellular defense, intracellular redox homeostasis, and control of cell growth and survival. Members of the ecto-NOX family, such as CNOX, or ENOX1, are involved in plasma membrane transport pathways. These enzymes exhibit both a hydroquinone (NADH) oxidase activity and a protein disulfide-thiol interchange activity in series, with each activity cycling every 22 to 26 minutes (Scarlett et al.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 88 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	LAELKDDSKFSEAITVLLSWIERGEVNRRSANQFYSMVQ SANSHVRRLMNEKATH EQEMEEAKENFKNALTGILTQF EQIVAVFNASTRQKAWDHFSKAQRKNIDIWRKHS EELR NAQSEQLMGIRREEEMEMSDDENCDSPTKKMRVDESAL AAQAYALKEEND SLRWQLDAYRNEVELLKQEKEQLFRTEE NLTKDQQLQFLQQTMQGMQQQLLTIQE ELNNKKSELEQ AKEEQSHTQALLKVLQEQLKGTKELVETNGHSHEDSNE INVLTVA LVNQDRENNIEKRSQGLKSEKEALLIGIIST FLHVHPFGANIEYLWSYMQQLDSKISA NEIEMLLMRLP RMFKQEFTGVGATLEKRWKLCAFEGIKTT

GENE INFORMATION

Gene Name	ENOX1 ecto-NOX disulfide-thiol exchanger 1 [Homo sapiens]
Official Symbol	ENOX1
Synonyms	ENOX1; ecto-NOX disulfide-thiol exchanger 1; cCNOX; CNOX; FLJ10094; PIG38;
Gene ID	55068
mRNA Refseq	NM_017993
Protein Refseq	NP_060463
MIM	610914
Uniprot ID	Q8TC92
Chromosome Location	13q14.11

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Function

nucleic acid binding; nucleotide binding; oxidoreductase activity;

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