

Recombinant Human ENOX1 protein, GST-tagged

Cat. No. ENOX1-185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ENOX1(1 a.a. - 643 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-643 a.a.
Description	The protein encoded by this gene is involved in plasma membrane electron transport pathways. The encoded protein has both a hydroquinone (NADH) oxidase activity and a protein disulfide-thiol interchange activity. The two activities cycle with a periodicity of 24 minutes, with one activity being at its peak when the other is at its lowest.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	99.7 kDa
AA Sequence	MVDAGGVENITQLPQELPQMMAAADGLGSIADTTQLNMSVTDPTAWATAMNNLG MVPVGLPGQQLVSDSICVPGFDP SLNMMTGITPINPMIPGLGLVPPPPTEVAVVKEI IHCKSCTLF PQNP NLPPPSTRERPPGCKTVFVGGLPENATEEIIQEVFEQCGDITAIR KSKKNFCHIRFAEEFMVDKAIYLSGYRMRLGSSTDKKDSGRLHVDF AQARDDFYEW ECKQRM RAREERHRRKLEEDRLRPPSPPAIMHYSEHEAALLAEK LKDDSKFSEAITV LLSWIERGEVNRRSANQFYSMVQSANSHVRRMLNEKATHEQEMEEAKENFKNALT

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GILTQFEQIVAVFNASTRQKAWDHFSKAQRKNIDIWRKHSEELRNAQSEQLMGIRRE
 EEMEMSDDENCDSPTKKMRVDESALAAQAYALKEENDSLRWQLDAYRNEVELLKQ
 EKEQLFRTEENLTKDQQLQFLQQTMQGMQQQLLTIQEELNNKKSELEQAKEEQSHT
 QALLKVLQEQLKGTKELVETNGHSHEDSNEINVLTVALVNQDRENNIEKRSQGLKSE
 KEALLIGIISTFLHVHPFGANIEYLWSYMQQLDSKISANEIEMLLMRLPRMFKQEFTGV
 GATLEKRWKLCAFEGIKTT

Applications

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

Notes

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

Storage

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

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;
 constitutive Ecto-NOX; cell proliferation-inducing gene 38 protein; candidate growth-
 related and time keeping constitutive hydroquinone (NADH) oxidase; candidate
 growth-related and time keeping constitutive hydroquinone [NADH] oxidase;
 bA64J21.1; FLJ30915;

Gene ID

55068

mRNA Refseq

NM_001127615

Protein Refseq

NP_001121087

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MIM	610914
UniProt ID	Q8TC92
Chromosome Location	13q14.11
Function	nucleic acid binding; nucleotide binding; oxidoreductase activity;
	