

## Product datasheet for TP509287

### Enox2 (NM\_145951) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Purified recombinant protein of Mouse ecto-NOX disulfide-thiol exchanger 2 (Enox2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR209287 protein sequence  
 Red=Cloning site Green=Tags(s)

MTLPVSDPAAWATAMNNLGMAPLGIAGQPILPDFDPALGMMTGIPPITPMMPGLGIVPPPPIPDPMPVAKE  
 IIHCKSCTLFPPNPNLPPPATREPPGCKTVFVGGLPENGTEQIIVEVFEQCGEIIAIRKSKKNFCHIRF  
 AEEYMVDKALYLSGYRIRLGSSTDKKDTGRLHVDFFAQRDDLYEWECKQRMMLAREERHRRRMEEERMPP  
 SPPPVVHYSDECSIVAELKDDSKFSEAVQTLTWTIERGEVNRSSANHFYSMIQSANSVRRRLVNEKAT  
 HEKEMEEAKEKFKQALSGILIQFEQIVAVYHSASKQKAWDHFTKAQRKNISVWCKQAEIIRNIHNDELGMG  
 IRREEMEMSDDEIEETTETKETEESALVSQAEALKEENDSLRWQLDAYRNEVELLKQEQGKAHREDDPN  
 KEQQLKLLQQALQGMQQHLLKVQEEYKKEAELDRIKDDNLQVEQLLENFHEKQENCGSRLCASSQEGEQ  
 PLEKTAVSNPVKSEREALLVGIISTFLHVHPFGASIEYICSYLNRLDNKASYQIPSKLTTSPLLPSTSD  
 VESLMSRLQHTFRQEMTGVGASLEKRWKFCGFEGFLKLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-MYC/DDK

**Predicted MW:** 68.3 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C after receiving vials.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

RefSeq: [NP\\_666063](#)

Locus ID: 209224

UniProt ID: [Q8R0Z2](#), [Q3UZA6](#)

RefSeq Size: 3921

Cytogenetics: X A5

RefSeq ORF: 1797

Synonyms: APK1; Cova1; tNOX

**Summary:** 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 (By similarity). [UniProtKB/Swiss-Prot Function]