

Recombinant Human ENOX2 protein, His-tagged

Cat. No. ENOX2-12457H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ENOX2 protein (292-610aa) was fused to His-tag and expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	292-610 a.a.
Description	This gene is a tumor-specific member of the ECTO-NOX family of genes that encode cell surface NADH oxidases. The encoded protein has two enzymatic activities: catalysis of hydroquinone or NADH oxidation, and protein disulfide interchange. The protein also displays prion-like properties. Alternative splicing results in multiple transcript variants.
Form	Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5% trehalose and 5% mannitol are added as protectants before lyophilization.
Molecular Mass	44 kDa
AA Sequence	MIQSANSHVRRLLVNEKAAHEKDMEEAKEKFKQALSGILIQFEQIVAVYHSASKQKAW DHFTKAQRKNISVWCKQAEIIRNIHNDELMGIRREEEMEMSDDEIEEMTETKETEE VSQAEALKEENDSLRWQLDAYRNEVELLKQEQGKVHREDDPNKEQQLKLLQQALQ GMQQHLLKVQEEYKKKEAELEKLKDDKLQVEKMLENLKEKESCASRLCASNQDSEY PLEKTMNSSPIKSEREALLVGIISTFLHVH

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Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store for up to 12 months at -20 to -80 centigrade as lyophilized powder. Short-term storage: Store at 2-8 centigrade for (1-2 weeks). Long-term storage: Aliquot and store at -20 to -80 centigrade for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage. If a different concentration is needed for your purposes please adjust the reconstitution
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name	ENOX2
Official Symbol	ENOX2
Synonyms	APK1; tNOX; COVA1
Gene ID	10495
mRNA Refseq	NM_001281736.1
Protein Refseq	NP_001268665.1
MIM	300282

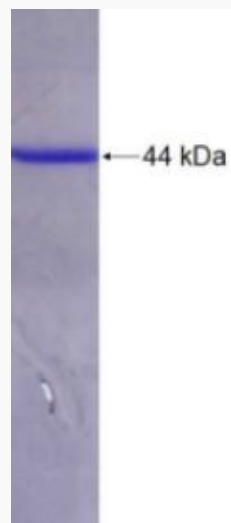
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UniProt ID

Q16206

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