

Recombinant Mouse Duox1 Protein, Myc/DDK-tagged

Cat. No. Duox1-2676M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length dual oxidase 1 (Duox1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Generates hydrogen peroxide which is required for the activity of thyroid peroxidase/TPO and lactoperoxidase/LPO. Plays a role in thyroid hormones synthesis and lactoperoxidase-mediated antimicrobial defense at the surface of mucosa. May have its own peroxidase activity through its N-terminal peroxidase-like domain.
Molecular Mass	177.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Duox1 dual oxidase 1 [Mus musculus (house mouse)]
Official Symbol	Duox1
Synonyms	DUOX1; dual oxidase 1; dual oxidase 2; Duox2; LNOX1; LNOX2; THOX1; THOX2; NOXEF1; NOXEF2; AW987690; P138-TOX; 9930101G15Rik
Gene ID	99439
mRNA Refseq	NM_001099297
Protein Refseq	NP_001092767
UniProt ID	A2AQ92

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