

## Recombinant Mouse Duox1 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length dual oxidase 1 (Duox1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	177.6 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

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

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