Recombinant Mouse Xdh Protein, MYC/DDK-tagged

Cat. No. XDH-18604M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse xanthine dehydrogenase (Xdh), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the xanthine dehydrogenase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The encoded protein exists as two distinct enzymatic forms, either as xanthine dehydrogenase, or as xanthine oxidase, and functions in purine degradation. Additional studies also suggest a role in adipogenesis, and a function as a structural protein in milk fat droplets in the lactating mammary gland.
Molecular Mass	147 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

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Xdh xanthine dehydrogenase [Mus musculus (house mouse)]
Official Symbol	Xdh
Synonyms	Xdh; xanthine dehydrogenase; X; XO; Xor; Xox; Xox-; Xox1; Xox-1; xanthine dehydrogenase/oxidase; xanthine oxidase; xanthine oxidoreductase; EC 1.17.1.4; EC 1.17.3.2
Gene ID	22436
mRNA Refseq	NM_011723
Protein Refseq	NP_035853
UniProt ID	Q00519

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