

Recombinant Protein Human XDH Protein, 1234-1332, N-GST tagged

Cat. No. XDH-43H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human XDH partial ORF (NP_000370, 1234 a.a. - 1332 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).
Species	Human
Source	Wheat Germ
ProteinLength	1234-1332
Description	Xanthine dehydrogenase belongs to the group of molybdenum-containing hydroxylases involved in the oxidative metabolism of purines. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Xanthine dehydrogenase can be converted to xanthine oxidase by reversible sulfhydryl oxidation or by irreversible proteolytic modification. Defects in xanthine dehydrogenase cause xanthinuria, may contribute to adult respiratory stress syndrome, and may potentiate influenza infection through an oxygen metabolite-dependent mechanism.
Molecular Mass	36.63 kDa
AA Sequence	GSPIEFRVSLLRDCPNKKAIYASKAVGEPPLFLAASIFFAIKDAIRAARAQHTGNNVKE LFRLDSPATPEKIRNACVDKFTTLCVTGVPENCKPWSVR
Applications	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)
Antibody Production
Protein Array

Quality Control Test 12.5% SDS-PAGE Stained with Coomassie Blue.

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [XDH xanthine dehydrogenase \[Homo sapiens \(human\) \]](#)

Official Symbol [XDH](#)

Synonyms XDH; xanthine dehydrogenase; xanthene dehydrogenase; xanthine dehydrogenase/oxidase; XO; XOR; xanthine oxidase; xanthine oxidoreductase

Gene ID [7498](#)

mRNA Refseq [NM_000379](#)

Protein Refseq [NP_000370](#)

MIM [607633](#)

UniProt ID [P47989](#)

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