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	GSIPIEFRVSLLRDCPNKKAIYASKAVGEPPLFLAASIFFAIKDAIRAARAQHTGNNVKE 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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