

Recombinant Bovine XDH protein, His/T7-tagged

Cat. No. XDH-16B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine XDH(Thr2~Leu219) fused with His/T7 tag at N-terminal was expressed in E. coli.
Species	Bovine
Source	E.coli
ProteinLength	2-219 a.a.
Description	XDH played an important role in many functions.
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	27.6kDa
AA Sequence	TADELVFFV NGKKVVEKNA DPETLLAYL RRLGLRGTK LGCGEggCGA CTVMSKYDR LQDKIIHFSA NACLAPICTL HHVAVTTVEG IGSTKTRLHP VQERIAKSHG SQCGFCTPGI VMSMYTLLRN QPEPTVEEIE DAFQGNLCRC TGYRPILQGF RTFAKNGGCC GGNGNPNCC MNQKKDHTVT LSPSLFNPEE FMPLDPTQEP IFPELLRL
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 90%

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Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
GENE INFORMATION	
Gene Name	XDH xanthine dehydrogenase [Bos taurus]
Official Symbol	XDH
Synonyms	XOR; xanthine oxidoreductase
Gene ID	280960
mRNA Refseq	NM_173972
Protein Refseq	NP_776397
MIM	
UniProt ID	P80457
Chromosome Location	chromosome: 11
Pathway	Caffeine metabolism, organism-specific biosystem; Drug metabolism - other enzymes, organism-specific biosystem; Metabolic pathways, organism-specific biosystem

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Function

2 iron, 2 sulfur cluster binding; electron carrier activity; flavin adenine dinucleotide binding

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