

# Recombinant Human WW Domain Containing Oxidoreductase, His-tagged

Cat. No. WWOX-6922H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human WWOX protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography. MW: 28.3 kDa.
<b>Species</b>	Human
<b>Source</b>	<i>E. coli</i>
<b>ProteinLength</b>	1-234aa
<b>Description</b>	WWOX is a proapoptotic protein and a tumor suppressor protein. WWOX is found in all eukaryotes and play an important role in the regulation of a wide variety of cellular functions such as protein degradation, transcription, and RNA splicing. This protein may function synergistically with TP53/p53 to control genotoxic stress-induced cell death. It also plays a role in tumor necrosis factor (TNF)-mediated cell death.
<b>Form</b>	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.
<b>Molecular Mass</b>	28.3 kDa (254aa), confirmed by MALDI-TOF.
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MAALRYAGLD DTDSEDELPP GWEERTTKDG WVYYANHTEE KTQWEHPKTG KRKRVAGDLP YGWEQETDEN GQVFFVDHIN KRTTYLDPRL AFTVDDNPTK PTTRQRYDGS TTAMEILQGR DFTGKVVVVT GANSIGFET AKSFALHGAH VILACRNMAR ASEAVSRILE EWQQGAATTV YCAAVPELEG LGGMYFNNCC RCMPSPQAQS EETARTLWAL SERLIQERLG

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	SQSG
<b>Purity</b>	>85% by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">WWOX WW domain containing oxidoreductase [ Homo sapiens ]</a>
<b>Official Symbol</b>	WWOX
<b>Synonyms</b>	WWOX; WW domain containing oxidoreductase; WW domain-containing oxidoreductase; FOR; SDR41C1; short chain dehydrogenase/reductase family 41C; member 1; WOX1; WW domain-containing protein WWOX; fragile site FRA16D oxidoreductase; short chain dehydrogenase/reductase family 41C, member 1; FRA16D; HHCMA56; PRO0128; D16S432E;
<b>Gene ID</b>	<a href="#">51741</a>
<b>mRNA Refseq</b>	<a href="#">NM_016373</a>
<b>Protein Refseq</b>	<a href="#">NP_057457</a>
<b>MIM</b>	<a href="#">605131</a>

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<b>UniProt ID</b>	Q9NZC7
<b>Chromosome Location</b>	16q23.3-q24.1
<b>Pathway</b>	ErbB4 signaling events, organism-specific biosystem; Nuclear signaling by ERBB4, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by ERBB4, organism-specific biosystem;
<b>Function</b>	coenzyme binding; cofactor binding; enzyme binding; nucleotide binding; oxidoreductase activity; oxidoreductase activity; protein binding; protein dimerization activity;

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