

Recombinant Human WWOX, His-tagged

Cat. No. WWOX-525H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human WWOX fused with His tag at N-terminus produced in <i>E. Coli</i> is a single, non-glycosylated, polypeptide chain containing 254 amino acids (1-234 a.a.) and having a molecular mass of 28.3 kDa.
Species	Human
Source	E.coli
ProteinLength	1-234 a.a.
Description	WW domain-containing proteins are 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 gene encodes a protein which contains 2 WW domains and a short-chain dehydrogenase/reductase domain (SRD). The highest normal expression of this gene is detected in hormonally regulated tissues such as testis, ovary, and prostate. This expression pattern and the presence of an SRD domain suggest a role for this gene in steroid metabolism.
Sequence	MGSSHHHHHH SSGLVPRGSH MAALRYAGLD DTDSEDELPP GWEERTTKDG WVYYANHTEE KTQWEHPKTG KRKRVAGDLP YGWEQETDEN GQVFFVDHIN KRTTYLDPRL AFTVDDNPTK PTTRQRYDGS TTAMEILQGR DFTGKVVVVT GANSIGGFET AKSFALHGAH VILACRNMAR ASEAVSRILE EWQQGAATTV YCAAVPELEG.
Purity	Greater than 85.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-

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PAGE.

Format

The WWOX solution (1mg/ml) contains 20mM Tris pH-8, & 10% glycerol.

Storage

WWOX although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name

WWOX WW domain containing oxidoreductase [Homo sapiens]

Synonyms

WWOX; WW domain containing oxidoreductase; WW domain-containing oxidoreductase; WW domain-containing protein WWOX; fragile site FRA16D oxidoreductase; short chain dehydrogenase/reductase family 41C, member 1; D16S432E, FOR, FRA16D, HHCMA56, PRO0128, SDR41C1, WOX1

Gene ID

51741

mRNA Refseq

NM_016373

Protein Refseq

NP_057457

MIM

605131

UniProt ID

Q9NZC7

**Chromosome
Location**

16q23.3-q24

Function

coenzyme binding; cofactor binding; oxidoreductase activity; protein binding; protein

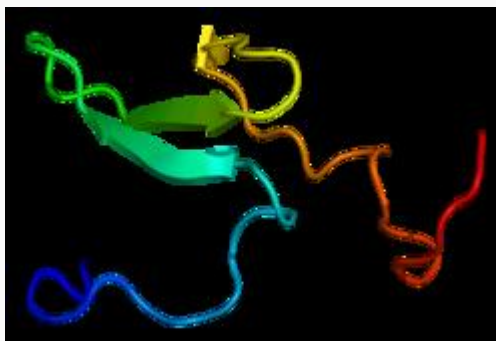
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dimerization activity

PDB rendering based
on 1wmv.



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