

## 32-2930: WWOX Recombinant Protein

**Alternative Name :** FOR, WOX1, FRA16D, HHCMA56, PRO0128, SDR41C1, D16S432E, WWOX, WW domain-containing oxidoreductase, Fragile site FRA16D oxidoreductase.

### Description

Source : Escherichia Coli. WWOX Human Recombinant fused with 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 254 amino acids (1-234 a.a.) and having a molecular mass of 28.3 kDa. The WWOX is purified by proprietary chromatographic techniques. WWOX is a proapoptotic protein and a tumor suppressor protein. WWOX is found in all eukaryotes and involved in the regulation of a broad range of cellular functions such as protein degradation, transcription, and RNA splicing. WWOX functions synergistically with TP53/p53 to control genotoxic stress-induced cell death. WWOX takes part in tumor necrosis factor (TNF)-mediated cell death. Loss of WWOX expression is associated with pancreaticobiliary cancers. Reduced expression levels of WWOX protein is associated with the pathogenesis of basal-like differentiation in breast cancer. Loss of WWOX expression is associated with extrahepatic cholangiocarcinoma. WWOX gene alteration is an early genetic alteration contributes to oral carcinogenesis. WWOX induces apoptosis and inhibits human hepatocellular carcinoma cell growth through a mechanism enhanced by JNK inhibition.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.  
**Content :** The WWOX solution (1mg/ml) contains 20mM Tris pH-8, & 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MAALRYAGLD DTDSEDELPP GWEERTTKDG WVYYANHTEE  
 KTQWEHPKTG KRKR VAGDLP YGWEQETDEN GQVFFVDHIN KRTTYLDPRL AFTVDDNPTK  
 PTTRQRYDGS TTAMEILQGR DFTGKVVVVT GANSGIGFET AKSFALHGAH VILACRNMAR ASEAVSRILE  
 EWQQGAATTV YCAAVPELEG LGGMVFNNCC RCMPSPQAQS EETARTLWAL SERLIQERLG SQSG.

