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WWOX Human

Catalog #:ENPS-429

For research use only.

Description: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.

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

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MAALRYAGLD DTDSEDELPP GWEERTTKDG WVYYANHTEE KTQWEHPKTG KRKRVAGDLP YGWEQETDEN GQVFFVDHIN KRTTYLDPRL AFTVDDNPTK PTTRQRYDGS TTAMEILQGR DFTGKVVVVT GANSGIGFET AKSFALHGAH VILACRNMAR ASEAVSRILE EWQQGAATTV YCAAVPELEG LGGMYFNNCC RCMPSPEAQS EE

Purity: Greater than 85.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

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

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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 pancreatobiliary 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.

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