

WVOX Human

Description:WVOX 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 WVOX is purified by proprietary chromatographic techniques.

Catalog #:ENPS-429

For research use only.

Synonyms:FOR, WOX1, FRA16D, HHCMA56, PRO0128, SDR41C1, D16S432E, WVOX, 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 WVYANHTEE KTQWEHPKTG KRKRVDGLP YGWEQETDEN GQVFFVDHIN
KRTTYLDPRL AFTVDDNPTK PTTRQRYDGS TTAMEILQGR DFTGKVVVVT GANSGIGFET
AKSFALHGAH VILACRNMAR ASEAVSRILE EWQQAATTV YCAAVPELEG LGGMFYNNCC
RCMPSPFAQS EE

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

Formulation:

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

Stability:

WVOX 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:

WVOX is a proapoptotic protein and a tumor suppressor protein. WVOX 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. WVOX functions synergistically with TP53/p53 to control genotoxic stress-induced cell death. WVOX takes part in tumor necrosis factor (TNF)-mediated cell death. Loss of WVOX expression is associated with pancreatobiliary cancers. Reduced expression levels of WVOX protein is associated with the pathogenesis of basal-like differentiation in breast cancer. Loss of WVOX expression is associated with extrahepatic cholangiocarcinoma. WVOX gene alteration is an early genetic alteration contributes to oral carcinogenesis. WVOX induces apoptosis and inhibits human hepatocellular carcinoma cell growth through a mechanism enhanced by JNK inhibition.

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