

WWOX, 1-234 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP04506

3th Edition

Synonyms:WW domain containing oxidoreductase, D16S432E, FOR, FRA16D, HHCMA56, PRO0128, SDR41C1, WOX1 , WW domain containing oxidoreductase 5330426P09Rik, 9030416C10Rik, EC 1.1.1.- Fragile site FRA16D Oxireductase

Description:WWOX, also known as WW domain containing oxidoreductase, 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. Recombinant human WWOX protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Molecular Weight:28.3 kDa (254aa), confirmed by MALDI-TOF.

Sequences:

MGSSHHHHHSSGLVPRGSHMAALRYAGLDDTDSEDELPPGWEERTTKDGVVYANHTEEKTQWEHPKTGKRK
RVAGDLPYGWEQETDENGQVFFVDHINKRTTYLDPRLAFTVDDNPTKPTTRQRYDGGSTTAMEILQGRDFTGKVVV
VTGANSIGIFETAKSFALHGAVILACRNMARASEAVSRILEEWQGAATTVYCAAVPELEGLGGMVFNNCCRCM
PSPEAQSEETARTLWALSERLIQERLGSQSG

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: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.