
Product Data Sheet

Product Name: WWOX Human
 Cat. No.: GP22401
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	FOR; WOX1; FRA16D; HHCMA56; PRO0128; SDR41C1; D16S432E; WWOX; WW domain-containing oxidoreductase; Fragile site FRA16D oxidoreductase.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAALRYAGLD DTDSEDELPP GWEERTTKDG WVYYANHTEE KTQWEHPKTG KRKRVAGDLP YGWEQETDEN GQVFFVDHIN KRTTYLDPRL AFTVDDNPTK PTTRQRYDGS TTAMEILQGR DFTGKVVVVT GANSGIGFET AKSFALHGAH VILACRNMAR ASEAVSRILE EWQQGAATTV YCAAVPELEG LGGMYFNNCC RCMPSPQAQS EETARTLWAL SERLIQERLG SQSG.		
Formulation	The WWOX solution (1mg/ml) contains 20mM Tris pH-8, & 10% glycerol.		

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 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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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.

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