

Recombinant Human WWOX Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. WWOX-4242H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WWOX MS Standard C13 and N15-labeled recombinant protein (NP_057457) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the short-chain dehydrogenases/reductases (SDR) protein family. This gene spans the FRA16D common chromosomal fragile site and appears to function as a tumor suppressor gene. Expression of the encoded protein is able to induce apoptosis, while defects in this gene are associated with multiple types of cancer. Disruption of this gene is also associated with autosomal recessive spinocerebellar ataxia 12. Disruption of a similar gene in mouse results in impaired steroidogenesis, additionally suggesting a metabolic function for the protein. Alternative splicing results in multiple transcript variants.
Molecular Mass	46.5 kDa
AA Sequence	MAALRYAGLDDTDSEDELPPGWEERTTKDGVVYYANHTEETQWEHPKTGKRKR VAGDLPYGWEQETDENGQVFFVDHINKRTTYLDPRLAFTVDDNPTKPTTRQRYDGS TTAMEILQGRDFTGKVVVVTGANSIGFETAKSFALHGAHVILACRNMARASEAVSRI LEEWHKAKVEAMTLDLALLRSVQHFAEAFKAKNVPLHVLVCNAATFALPWSLT KDGL ETTFQVNH LGHFYLVQLLQDVL CRSAPARVIVVSSESHRTDINDSLGKLDFSRLSPT

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KNDYWAMLAYNRSKLCNILFSNELHRRLSPRGVTSNAVHPGNMMYSNIHRSWWVY
TLLFTLARPFTKSMQQGAATTVYCAAVPELEGLGGMVFNNCCRCMPSPEAQSEETA
RTLWALSERLIQERLGSQSGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name WWOX WW domain containing oxidoreductase [Homo sapiens (human)]

Official Symbol WWOX

Synonyms WWOX; WW domain containing oxidoreductase; WW domain-containing oxidoreductase; FOR; SDR41C1; short chain dehydrogenase/reductase family 41C; member 1; WOX1; WW domain-containing protein WWOX; fragile site FRA16D oxidoreductase; short chain dehydrogenase/reductase family 41C, member 1; FRA16D; HHCMA56; PRO0128; D16S432E;

Gene ID 51741

mRNA Refseq NM_016373

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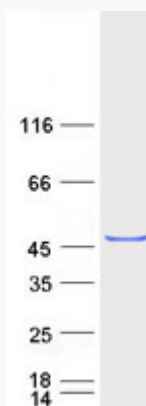
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Protein Refseq NP_057457

MIM 605131

UniProt ID Q9NZC7

SDS-PAGE



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