

# *MRC PPU Reagents and Services*

## Standard Operating Procedure

### Preparation of WWP2 [1 – 870]

**Enzyme description:-** WWP2 [1 - 870]

**Clone number:-** DU 79135

**Source:-** Recombinant

**Expression system:-** *E.coli*

**Tag:-** N-terminal GST

**Purification method:-** GSH Sepharose

**Calculated molecular mass:-**

Monoisotopic 125, 656.76 daltons

Average Mass 125, 736.22 daltons

[cysteines reduced, methionines have not been oxidised]

**Theoretical pI:-** 6.39

**Purity:-** >85 %

**Enzyme storage buffer:-**

50 mM HEPES-NaOH pH 7.5, 150 mM NaCl, 10 % Glycerol, 1 mM DTT

**Storage temperature:-** -70 °C

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**Clone Data Sheet**

**WWP2 [1 - 870]**

**Protein** WWP2 [1 - 870]

**Clone number** DU 79135

**Species** Human

**Accession number** O00308

**Tags** N-terminal GST

**Bacterially expressed protein** MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELG  
LEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAIEISMLEGA  
VLDIRYGVSR IAYS KDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDH  
VTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAI PQIDKYLKSS  
KYIAWPLQGWQATFGGGDHPPKSDLEVL FQGPLG**MASASSSRAGVALP**  
**FEKSQ LTLKVVS AKPKVHNRQPRINSYVEVAVDGLPSETTKKTGKRIGSS**  
**ELLWNEI I IILNVTAQSHLDLKVWSCHTLRNELLGTASVNL SNVLKNNGG**  
**KMENMQLTLNLQ TENKGSVVS GGELTIFLDGPTVDLGNVPNGSALTDGS**  
**QLPSRDSSGTAVAPENRHQPSTNCFGGRSRTHRHS GASARTTPATGEQ**  
**SPGARSRRHPVKNSGHSGLANGTVNDEPTTATDPEEPSVVGVTSP PAA**  
**PLSVTPNPNTTSLPAPATPAEGEEPSTSGTQQLPAAAQAPDALPAGWEQ**  
**RELPNGRVYYVDHNTKTTTWERPLPPGWEKRTDPRGRFYVDHNRTRTT**  
**WQRPTAEYVRNYEQWQSQRNQLQGAMQHFSQRFLYQSSASTDHDPLGP**  
**LPPGWEKRQDNGRVYYVNHNRTRTTQWEDPRTQGMIQEPALPPGWEWKYT**  
**SEGVRYFVDHNRTRTTTFKDPRPGFESGTKQGS PGAYDRSFRWKYHQFRF**  
**LCHSNALPSHVKISVSRQTLFEDSFQQIMNMKPYDLRRRLYIIMRGEEG**  
**LDYGGIAREWFFLLSHEVLNPMYCLFEYAGKNNYCLQINPASSINPDHL**  
**TYFRFIGRFIAMALYHGKFIDTGFTLPFYKRMLNKRPTLKDLESIDPEF**  
**YNSIVWIKENNLEECGLELYFIQDMEILGKVTTHELKEGGESIRVTEEN**  
**KEEYIMLLTDWRFRTRGVVEEQTKAFLDGFNEVAPLEWLRYFDEKELELML**  
**CGMQEIDMSDWQKSTIYRHYTKNSKQIQWFWQVVKEMDNEKRIRLLQFV**  
**TGTCRLPVGGFAELIGSNGPQKFCIDKVGKETWLP RSHTCFNRDLDPY**  
**KSYEQLREKLLYAIEETEGFGQE**

**Native sequence** Amino acids M1 – E870 (end) of human WWP2.  
Residue M232 of fusion protein is equivalent to M1 of the native enzyme. The GST tag is located at residues 1 – 220.

**Protease cleavage** Precission site (LEVL FQGP) at residues 221 – 228