Datasheet for ABIN7317302

WWP2 Protein (GST tag,His tag)

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Overview

Quantity:	100 µg
Target:	WWP2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WWP2 protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human WWP2 Protein (His & GST Tag)
Sequence:	Met 1-Glu870
Characteristics:	A DNA sequence encoding the human WWP2 (O00308) (Met1-Glu870) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	WWP2
Alternative Name:	WWP2 (WWP2 Products)
Background:	Background: WWP2 contains 1 C2 domain, 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain and 4 WW domains. It is an E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the

Target Details

	ubiquitin to targeted substrates. WWP2 can be detected in heart, throughout the brain, placenta, lung, liver, muscle, kidney and pancreas. It is also expressed in spleen and peripheral blood leukocytes. WWP2 polyubiquitinates POU5F1 by 'Lys-63'-linked conjugation and promotes it to proteasomal degradation, in embryonic stem cells (ESCs) the ubiquitination is proposed to regulate POU5F1 protein level. WWP2 ubiquitinates EGR2 and promotes it to proteasomal degradation, in T-cells the ubiquitination inhibits activation-induced cell death. It also ubiquitinates SLC11A2, the ubiquitination is enhanced by presence of NDFIP1 and NDFIP2. WWP2 ubiquitinates RPB1 and promotes it to proteasomal degradation. Synonym: AIP2,WWp2-like
Molecular Weight:	126.7 kDa
UniProt:	O00308
Pathways:	Negative Regulation of Transporter Activity

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.