

Recombinant Human WWP1, GST-tagged

Cat. No. WWP1-75H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human WWP1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	WWP1 or WW domain containing E3 ubiquitin protein ligase 1 belongs to a family of NEDD4-like proteins, which are E3 ubiquitin-ligase molecules and regulate key trafficking decisions, including targeting of proteins to proteosomes or lysosomes. WWP1 are 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. WWP1 negatively regulates TGF-beta signaling by directing the degradation of active components of the TGF-beta network. Wwp1 and Ubc18 function to ubiquitinate substrates that regulate longevity induced by diet restriction.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~160 kDa
Purity	>70% by densitometry.
Applications	Western Blot

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Storage	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.05 µg/µl
GENE INFORMATION	
Gene Name	WWP1 WW domain containing E3 ubiquitin protein ligase 1 [Homo sapiens]
Official Symbol	WWP1
Synonyms	WWP1; WW domain containing E3 ubiquitin protein ligase 1; NEDD4-like E3 ubiquitin-protein ligase WWP1; AIP5; DKFZP434D2111; WW domain-containing protein 1; atrophin-1 interacting protein 5; atrophin-1-interacting protein 5; TGIF-interacting ubiquitin ligase 1; Nedd-4-like ubiquitin-protein ligase; Tiul1; hSDRP1; DKFZp434D2111;
Gene ID	11059
mRNA Refseq	NM_007013
Protein Refseq	NP_008944
MIM	602307
UniProt ID	Q9H0M0
Chromosome Location	8q21

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Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Downregulation of ERBB4 signaling, organism-specific biosystem; Endocytosis, organism-specific biosystem;
Function	acid-amino acid ligase activity; ligase activity; protein binding; ubiquitin-protein ligase activity; ubiquitin-protein ligase activity;

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