

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	<p>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 proteasomes 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.</p>
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store product at -70°C . 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 $\mu\text{g}/\mu\text{l}$

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA