

Recombinant Mouse Wdyhv1 Protein, Myc/DDK-tagged

Cat. No. Wdyhv1-6991M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse WDYHV motif containing 1 (Wdyhv1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Mediates the side-chain deamidation of N-terminal glutamine residues to glutamate, an important step in N-end rule pathway of protein degradation. Conversion of the resulting N-terminal glutamine to glutamate renders the protein susceptible to arginylation, polyubiquitination and degradation as specified by the N-end rule. Does not act on substrates with internal or C-terminal glutamine and does not act on non-glutamine residues in any position. Does not deaminate acetylated N-terminal glutamine. With the exception of proline, all tested second-position residues on substrate peptides do not greatly influence the activity. In contrast, a proline at position 2, virtually abolishes deamidation of N-terminal glutamine.
Molecular Mass	24.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Wdyhv1 WDYHV motif containing 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Wdyhv1](#)

Synonyms WDYHV1; WDYHV motif containing 1; protein N-terminal glutamine amidohydrolase; nt(Q)-amidase; N-terminal Gln amidase; WDYHV motif-containing protein 1; protein NH2-terminal glutamine deamidase; Ntaq1; AU014961; AW550036; 2410187C16Rik

Gene ID [76773](#)

mRNA Refseq [NM_029734](#)

Protein Refseq [NP_084010](#)

UniProt ID [Q80WB5](#)

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