

USP5 recombinant protein

USP5, Active

CATALOG # AAA74096	HOST E Coli	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

USP5; Active; ISOT; Isopeptidase T; USP5 recombinant protein

PRODUCT SPECIFICATIONS

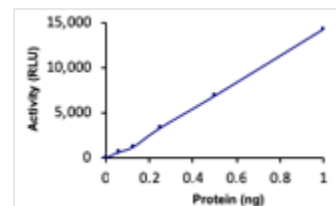
Host	E Coli
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for USP5 recombinant protein	WB (Western Blot), Activity Assay
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for USP5 recombinant protein	Recombinant full-length human USP5 was expressed in E Coli cells using an N-terminal His tag. The USP5 gene accession number is NM_003481. USP5 (ubiquitin carboxyl-terminal hydrolase 5) is a member of the ubiquitin-specific protease family of deubiquitinating enzymes (DUBs) and is involved in many processes including maintenance of chromatin structure, receptor function, and degradation of abnormal proteins. USP5 disassembles branched polyubiquitin chains by a sequential exo mechanism at the proximal end of the chain. Increased USP5 has been associated with tumour formation and progression of pancreatic cancer due to its role in FoxM1 protein stabilization (1). USP5 is also involved in the upregulation of Notch signaling and downregulation of receptor tyrosine kinase signaling in Drosophila eye development through the deubiquitination of unanchored polyubiquitin (2).
Product Categories/Family for USP5 recombinant protein	DUBs; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress; Invasion/Metastasis; Metabolic Disorder

References

1. Li, X.Y. et al: USP5 promotes tumorigenesis and progression of pancreatic cancer by stabilizing FoxM1 protein. Biochem. Biophys. Res. Commun. 492:48-54, 2017.
2. Ling, X. et al: The deubiquitinating enzyme Usp5 regulates Notch and RTK signaling during Drosophila eye development. FEBS 591(6): 875-888, 2017.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_003481](#)

Molecular Weight

98kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/usp5-recombinant-protein-e-coli-wb-western-blot-activity-assay/74096>