

USP20 recombinant protein

USP20, Active

CATALOG # AAA74104	HOST Sf9 insect cells	APPLICATIONS Western Blot
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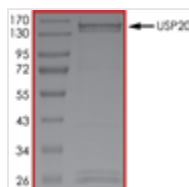
PRODUCT SYNONYMS

USP20; Active; LSFR3A; HVDU2; VDU2; KIAA1003; USP20 recombinant protein

PRODUCT SPECIFICATIONS

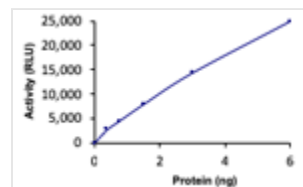
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for USP20 recombinant protein	WB (Western Blot), Activity Assay
Tag	GST
Species	Human
Dry Ice Note	The product 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 USP20 recombinant protein	Recombinant human USP20 (120-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The USP20 gene accession number is NM_006676. USP20 (ubiquitin carboxyl-terminal hydrolase 20) is a cysteine protease deubiquitinating enzyme belonging to the ubiquitin-specific protease (USP) family and deubiquitinates several proteins such as thyronine deiodinase type 2 (D2), Hypoxia-inducible factor 1alpha (HIF1alpha), and beta2 adrenergic receptor. It is involved in ADRB2 recycling and resensitization, regulating thyroid hormone regulation and stabilizing and enhancing HIF1A (1). USP20 was also identified to be a substrate of the VHL (von Hippel-Lindau disease) protein E3 ubiquitin ligase complex, as it is involved in the ubiquitination and degradation of HIF1alpha subunits (2).
Product Categories/Family for USP20 recombinant protein	DUBs; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress; Invasion/Metastasis; Metabolic Disorder

References

1. Berthouze, M. et al: The deubiquitinases USP33 and USP20 coordinate beta2 adrenergic receptor recycling and resensitization. EMBO J. 28: 1684-1696, 2009.
2. Zaibo, L. et al: Identification of a deubiquitinating enzyme subfamily as substrates of the von Hippel-Lindau tumor suppressor. Biochemical and Biophysical Research Communications 294, (3): 700-709, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_006676](#)

Molecular Weight

135kDa

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://www.aaabiotech.com/usp20-recombinant-protein-sf9-wb-western-blot-activity-assay/74104>