

Product datasheet

Recombinant Human USP4 protein ab159783

1 Image

Overview

Product name	Recombinant Human USP4 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	ETEGSGEDEPGNDPSETTQKKIKGQPCPKRLFTFSLV NSYGTADINSLAA DGKLLKLNRSRSTLAMDWSETRRLYDEQESEAAYEKH VSMLQPQKKKK
Amino acids	676 to 773
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab159783** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

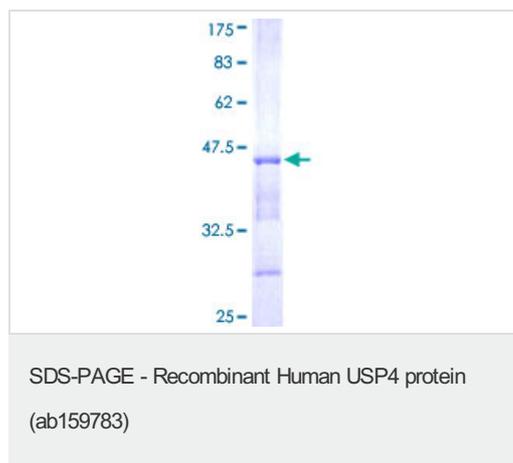
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Hydrolase that deubiquitinates target proteins such as the receptor ADORA2A and TRIM21. Deubiquitination of ADORA2A increases the amount of functional receptor at the cell surface. Plays a role in the regulation of quality control in the ER.
Tissue specificity	Overexpressed in small cell tumors and adenocarcinomas of the lung compared to wild-type lung (at protein level). Expressed in the hippocampal neurons.
Sequence similarities	Belongs to the peptidase C19 family, USP4 subfamily. Contains 1 DUSP domain.
Post-translational modifications	Monoubiquitinated by TRIM21. Ubiquitination does not lead to its proteasomal degradation. Autodeubiquitinated.
Cellular localization	Cytoplasm. Nucleus. Shuttles between the nucleus and cytoplasm. Exported to the cytoplasm in a CRM1-dependent manner and recycled back to the nucleus via the importin alpha/beta heterodimeric import receptor. The relative amounts found in the nucleus and cytoplasm vary according to the cell type.

Images



ab159783 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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