

## Product datasheet

# Recombinant Human LRPAP1 protein (Mutant) ab233667

### Description

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**Product name** Recombinant Human LRPAP1 protein (Mutant)

**Purity** > 90 % SDS-PAGE.

**Expression system** Escherichia coli

**Accession** **P30533**

**Protein length** Full length protein

**Animal free** No

**Nature** Recombinant

**Species** Human

**Sequence**

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MAPRRVRSFLRGLPALLLLLLFLGPWPAASHGGKYSREK
NQPKPSPKRES
GEEFRMEKLNQLWEKAQRLHLPVRLAELHADLKIQERD
ELAWKKLKLDG
LDEEDGEKEARLIRNLNVILAKYGLDGKKDARQVTSNSLSG
TQEDGLDDPR
LEKLWHKAKTSGKFSGEELDKLWREFLHHKEKVHEYNVL
LETLSRTEEIH
ENVISPSDLSDIKGSVLHSRHTELKEKLRSINQGLDRLRRV
SHQGYSTE A
EFEEPRVIDLWDLAQSANLTDKELEAFREELKHFEAKIEK
HNHYQKQLEI
AHEKLRHAESVGDGERVSRSEKHALLEGRTKELGYTVK
KHLQDLSGRIS RARHNEL
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**Predicted molecular weight** 41 kDa

**Amino acids** 1 to 357

### Specifications

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Our **Abpromise guarantee** covers the use of **ab233667** in the following tested applications.

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

**Applications** SDS-PAGE

<b>Form</b>	Liquid
<b>Additional notes</b>	This stable mutant form of human LRPAP1 is resistant to both pH and heat induced denaturation. ab233667 does not unfold at pH 5.5 and has a melting temperature of 73°C, more than 30 degrees above that of wild type RAP. It is also more resistant to trypsin and chymotrypsin mediated proteolysis. LRPAP1 mutant may be useful in multiple pathological settings where LRP1 blockade has shown to be effective.

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## Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at -80°C. pH: 7.50 Constituents: 0.48% HEPES, 0.87% Sodium chloride, 0.01% Calcium chloride
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## General Info

<b>Function</b>	Interacts with LRP1/alpha-2-macroglobulin receptor and glycoprotein 330.
<b>Involvement in disease</b>	Note=In complex with the alpha-2-MR or gp330, it may have some role in the pathogenesis of membrane glomerular nephritis.
<b>Sequence similarities</b>	Belongs to the alpha-2-MRAP family.
<b>Post-translational modifications</b>	N-glycosylated.
<b>Cellular localization</b>	Endoplasmic reticulum. Cytoplasm. Cell surface. Intracellular and associated with cell surface receptors. Found in the endoplasmic reticulum.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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