# Recombinant Human LRPAP1

**Cat. No.** LRPAP1-29430TH **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant full length Human LRPAP1; MWt 39 kDa. Prepared as a fusion protein with a proprietary tag which is cleaved with thrombin. Purified to lower levels of endotoxin. |
| **Species** | Human |
| **Source** | E.coli |
| **Description** | Low density lipoprotein receptor-related protein associated protein 1 also known as LRPAP1 or RAP is a chaperone protein which in humans is encoded by the LRPAP1 gene. |
| **Biological activity** | Binds with high affinity to certain members of the low-density lipoprotein (LDL) receptor family such as LRP, gp330/megalin, and the very low-density lipoprotein (VLDL) receptor. |
| **Form** | Liquid |
| **Purity** | >90% by SDS-PAGE |
| **Storage buffer** | Preservative: NoneConstituents: 0.15M Sodium chloride, 0.0067M PBS, pH 7.4 |
| **Storage** | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles. |

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| **Sequence Similarities** | Belongs to the alpha-2-MRAP family. |
| **Full Length** | Full L. |

## GENE INFORMATION

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| **Gene Name** | LRPAP1 low density lipoprotein receptor-related protein associated protein 1 [ Homo sapiens ] |
| **Official Symbol** | LRPAP1 |
| **Synonyms** | LRPAP1; low density lipoprotein receptor-related protein associated protein 1; A2MRAP, low density lipoprotein related protein associated protein 1 (alpha 2 macroglobulin receptor associated protein 1); alpha-2-macroglobulin receptor-associated protein; |
| **Gene ID** | 4043 |
| **mRNA Refseq** | NM_002337 |
| **Protein Refseq** | NP_002328 |
| **MIM** | 104225 |
| **Uniprot ID** | P30533 |
| **Chromosome Location** | 4p16.3 |
| **Pathway** | Lissencephaly gene (LIS1) in neuronal migration and development, organism-specific biosystem; Reelin signaling pathway, organism-specific biosystem; Signaling events |

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| | mediated by the Hedgehog family, organism-specific biosystem; |
| **Function** | asialoglycoprotein receptor activity; heparin binding; lipase binding; low-density lipoprotein particle receptor binding; receptor antagonist activity; |

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