

uPAR Protein, Mouse (HEK293, His-Fc)

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| Cat. No.: | HY-P77275 |
| Synonyms: | Urokinase plasminogen activator surface receptor; U-PAR; CD87; PLAUR; MO3 |
| Species: | Mouse |
| Source: | HEK293 |
| Accession: | NP_035243.1 (L24-T297) |
| Gene ID: | 18793 |
| Molecular Weight: | 80-90 kDa |

PROPERTIES

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| AA Sequence | <p>L Q C M Q C E S N Q S C L V E E C A L G Q D L C R T T V L R E W Q D D R E L E V</p> <p>V T R G C A H S E K T N R T M S Y R M G S M I I S L T E T V C A T N L C N R P R</p> <p>P G A R G R A F P Q G R Y L E C A S C T S L D Q S C E R G R E Q S L Q C R Y P T</p> <p>E H C I E V V T L Q S T E R S L K D E D Y T R G C G S L P G C P G T A G F H S N</p> <p>Q T F H F L K C C N Y T H C N G G P V L D L Q S F P P N G F Q C Y S C E G N N T</p> <p>L G C S S E E A S L I N C R G P M N Q C L V A T G L D V L G N R S Y T V R G C A</p> <p>T A S W C Q G S H V A D S F P T H L N V S V S C C H G S G C N S P T</p> |
| Biological Activity | Immobilized Recombinant rmuPAR/Fc at 5 µg/mL (100 µL/well) can bind Biotinylated Recombinant rhuPA Protein. The ED ₅₀ for this effect is <50.73 ng/mL. |
| Appearance | Lyophilized powder |
| Formulation | Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | uPAR (urokinase plasminogen activator receptor), a multifaceted protein, is predicted to possess enzyme binding activity, protein domain-specific binding activity, and signaling receptor binding activity. It is anticipated to play a role in various processes, including the negative regulation of the apoptotic signaling pathway, positive regulation of the epidermal growth |
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factor receptor signaling pathway, and positive regulation of the release of cytochrome c from mitochondria. As an integral component of the plasma membrane, uPAR exhibits broad expression in diverse structures such as decidua, early conceptus, and spleen. The human ortholog of this gene, PLAUR (plasminogen activator, urokinase receptor), has implications in conditions like rheumatoid arthritis, highlighting the potential significance of uPAR in physiological and pathological contexts. Studies on uPAR may unveil its intricate involvement in cellular processes and contribute to our understanding of diseases like rheumatoid arthritis.

Caution: Product has not been fully validated for medical applications. For research use only.

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