# CD97 Protein, Human (HEK293, hFc)

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| **Cat. No.:** | HY-P75370 |
| **Synonyms:** | Adhesion G protein-coupled receptor E5; CD97; ADGRE5 |
| **Species:** | Human |
| **Source:** | HEK293 |
| **Accession:** | P48960-2/NP_001775.2 (Q21-Q398) |
| **Gene ID:** | 976 |
| **Molecular Weight:** | 100-110 kDa |

## PROPERTIES

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| **AA Sequence** | MGGRVFLAFC VWLTLPGAET QDSRGCARWC PQNSSCVNAT<br>ACRCNPGFSS FSEIITTPTE TCDDINECAT PSKVSCGKFS<br>DCWNTEGSYD CVCSPGYEPV SGAKTFKNES ENTCQDVDEC<br>SSGQHQCDSS TVCFNTVGSY SCRCRPGWKP RHGIPNNQKD<br>TVCEDMTFST WTPPPGVHSQ TLSRFFDKVQ DLGRDSKTSS<br>AEVTIQNVIK LVDELMEAPG DVEALAPPVR HLIATQLLSN<br>LEDIMRILAK SLPKGPFTYI SPSNTELTLM IQERGDKNVT<br>MGQSSARMKL NWAVAAGAED PGPAVAGILS IQNMTTLLAN<br>ASLNLHSKKQ AELEEIYESS IRGVQLRRLS AVNSIFLSHN<br>NTKELNSPIL FAFSHLESSD GEAGRDPPAK DVMPGPRQ |
| **Biological Activity** | Measured by its binding ability in a functional ELISA. Immobilized human CD55 at 2 μg/mL (100 μl/well) can bind humanCD97 with a linear range of 1.28-32 ng/mL. |
| **Appearance** | Solution |
| **Formulation** | Supplied as sterile PBS, pH 7.4. |
| **Endotoxin Level** | <1 EU/μg, determined by LAL method. |
| **Reconsititution** | N/A. |
| **Storage & Stability** | Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles. |
| **Shipping** | Shipping with dry ice |

## DESCRIPTION

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| **Background** | CD97, a receptor with potential involvement in both adhesion and signaling processes during early leukocyte activation, plays a crucial role in facilitating leukocyte migration. This receptor forms a heterodimer, comprising a large extracellular alpha subunit non-covalently linked to a seven-transmembrane beta subunit. CD97 interacts with complement decay-accelerating factor (DAF) and the largest isoform (isoform 1) specifically engages with chondroitin sulfate, highlighting its diverse interactions in cellular processes. |



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