

CD97 Protein, Human (HEK293, hFc)

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

PROPERTIES

AA Sequence	<pre> M G G R V F L A F C V W L T L P G A E T Q D S R G C A R W C P Q N S S C V N A T A C R C N P G F S S F S E I I T T P T E T C D D I N E C A T P S K V S C G K F S D C W N T E G S Y D C V C S P G Y E P V S G A K T F K N E S E N T C Q D V D E C S S G Q H Q C D S S T V C F N T V G S Y S C R C R P G W K P R H G I P N N Q K D T V C E D M T F S T W T P P P G V H S Q T L S R F F D K V Q D L G R D S K T S S A E V T I Q N V I K L V D E L M E A P G D V E A L A P P V R H L I A T Q L L S N L E D I M R I L A K S L P K G P F T Y I S P S N T E L T L M I Q E R G D K N V T M G Q S S A R M K L N W A V A A G A E D P G P A V A G I L S I Q N M T T L L A N A S L N L H S K K Q A E L E E I Y E S S I R G V Q L R R L S A V N S I F L S H N N T K E L N S P I L F A F S H L E S S D G E A G R D P P A K D V M P G P R Q </pre>
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.
Reconstitution	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

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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA