

## Active Recombinant Human CD97 protein, His-tagged

**Cat. No.** CD97-2229H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD97 protein(NP_001775.2)(Met1-Gln398), fused with His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Gln398
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	1. Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD97 at 10 µg/ml (100 µl/well) can bind recombinant human CD55 at a linear range of 0.46-30 µg/ml.2. Using the Octet RED System, the affinity constant (Kd) of Anti-CD97 Antibody bound to CD97 Protein, Human, Recombinant (His Tag) was 0.2 nM.
<b>Molecular Mass</b>	The recombinant human CD97 consists of 389 amino acids and predicts a molecular mass of 42.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh CD97 is approximately 60-70 kDa due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method

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<b>Purity</b>	> 85 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	CD97 CD97 molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD97
<b>Synonyms</b>	CD97; CD97 molecule; CD97 antigen; leukocyte antigen CD97; seven transmembrane helix receptor; seven span transmembrane protein; seven transmembrane; heterodimeric receptor associated with inflammation; TM7LN1; seven-span transmembrane protein; seven-transmembrane, heterodimeric receptor associated with inflammation;
<b>Gene ID</b>	976
<b>mRNA Refseq</b>	NM_001025160
<b>Protein Refseq</b>	NP_001020331
<b>MIM</b>	601211
<b>UniProt ID</b>	P48960

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