

## Recombinant Human CD97 Protein, His-tagged

Cat. No. CD97-708H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD97 Protein (Pro58-Met260) with His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Pro58-Met260
<b>Description</b>	<p>This gene encodes a member of the EGF-TM7 subfamily of adhesion G protein-coupled receptors, which mediate cell-cell interactions. These proteins are cleaved by self-catalytic proteolysis into a large extracellular subunit and seven-span transmembrane subunit, which associate at the cell surface as a receptor complex. The encoded protein may play a role in cell adhesion as well as leukocyte recruitment, activation and migration, and contains multiple extracellular EGF-like repeats which mediate binding to chondroitin sulfate and the cell surface complement regulatory protein CD55. Expression of this gene may play a role in the progression of several types of cancer. Alternatively spliced transcript variants encoding multiple isoforms with 3 to 5 EGF-like repeats have been observed for this gene. This gene is found in a cluster with other EGF-TM7 genes on the short arm of chromosome 19.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 52.39 kDa; Accurate Molecular Mass: 52 kDa

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<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	CD97 CD97 molecule [ Homo sapiens (human) ]
<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

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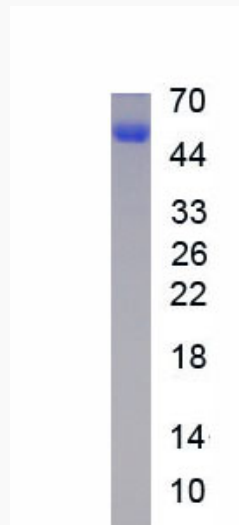
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mRNA Refseq [NM\\_001025160](#)

Protein Refseq [NP\\_001020331](#)

MIM [601211](#)

UniProt ID [P48960](#)



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