

# Recombinant Full Length Human CD97 Protein, GST-tagged

Cat. No. CD97-3106HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CD97 full-length ORF (AAH26690, 1 a.a. - 742 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	742 amino acids
<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. [provided by RefSeq, Jun 2011]</p>
<b>Molecular Mass</b>	107.36 kDa
<b>AA Sequence</b>	MGGRVFLAFCVWLTLPGAETQDSRGCARWCPQNSSCVNATACRCNPGFSSFSEII

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TTPTETCDDINECATPSKVSCGKFSDCWNTEGSYDCVCSPGYEPVSGAKTFKNESE  
 NTCQDVDECSSGRHQCDSSSTVCFNTVGSYSCRCRPGWKPRHGIPNNQKDTVCE  
 MTFSTWTPPPGVHSQTLRFFDKVQDLGRDSKTSSAEVTIQNVIKLVDELMEAPGD  
 VEALAPPVRHLIATQLLSNLEDIMRILAKSLPKGPFTYISPSNTELTLMIQERGDKNVT  
 MGQSSARMKLNWAVAAGAEDPGPAVAGILSIQNM TLLANASLNLHSHKKQAELEEIY  
 ESSIRGVQLRRLSAVNSIFLSHNNTKELNSPILFAFSHLESSDGEAGRDPKADVMP  
 GPRQELLCAFWKSDSDRGGHWATEGCQVLGSKNGSTTCQCSSLSSFAILMAHYDV  
 EDWKLTLITRVGLALSFLCLLLCILTFLVRPIQGSRTTIHLHLCLFVVGSTIFLAGIENE  
 GGQVGLRCRLVAGLLHYCFLA AFCWMSLEGLELYFLVVRVFQGGQLSTRWLCLIGY  
 GVPLLIVGVSAIYSKGYGRPRYCWLDFEQGFLWSFLGPVTFIILCNAVIFVTTVWKL  
 TQKFSEINPDMKKLKKARALTITAI AQLFLLGCTWVFGFLFIFDDRSLVLTYVFTILNCLQ  
 GAFLYLLHCLLNKKVREEYRKWACL VAGGSKYSEFTSTTS GTGHNQTRAL RASESG  
 I

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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;

**Gene ID** 976

**mRNA Refseq** NM\_001025160

**Protein Refseq** NP\_001020331

**MIM** 601211

**UniProt ID** P48960

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA