

Recombinant Full Length Human CD97 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human CD97 full-length ORF (AAH26690, 1 a.a. - 742 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	742 amino acids
Description	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]
Molecular Mass	107.36 kDa
AA Sequence	MGGRVFLAFCVWLTLPGAETQDSRGCARWCPQNSSCVNATACRCNPGFSSFSEII

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TTPTETCDDINECATPSKVSCGKFSDCWNTEGSYDCVCSPGYEPVSGAKTFKNESE
 NTCQDVDECSSGRHQCDSSSTVCFNTVGSYSCRCRPGWKPRHGIPNNQKDTVCE
 MTFSTWTPPPGVHSQTLRFFDKVQDLGRDSKTSSAEVTIQNVIKLVDELMEAPGD
 VEALAPPVRHLIATQLLSNLEDIMRILAKSLPKGPFTYISPSNTELTLMIQERGDKNVT
 MGQSSARMKLNWAVAAGAEDPGPAVAGILSIQNM TLLANASLNLHSHKKQAELEEIY
 ESSIRGVQLRRLSAVNSIFLSHNNTKELNSPILFAFSHLESSDGEAGRDPAPKDVMP
 GPRQELLCAFWKSDSDRGHGWATEGCQVLGSKNGSTTCQCSHLSSFILMAHYDV
 EDWKLTLITRVGLALSFLCLLLCILTFLVRPIQGSRTTIHLHLCLFVGSTIFLAGIENE
 GGQVGLRCRLVAGLLHYCFLA AFCWMSLEGLELYFLVVRVFQGGQLSTRWLCLIGY
 GVPLLIVGVSAIYSKGYGRPRYCWLD FEQGFLWSFLGPVTFIILCNAVIFVTTVWKL
 TQKFSEINPDMKKLKKARALTITAI AQLFLLGCTWVFGLFIFDDRSLVLT YVFTILNCLQ
 GAFLYLLHCLLNKKVREEYRKWACLVAGGSKYSEFTSTTSGTGHNQTRALRASESG
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Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CD97 CD97 molecule [Homo sapiens]

Official Symbol

CD97

Synonyms

CD97; CD97 molecule; CD97 antigen; leukocyte antigen CD97; seven

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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

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