

Recombinant Human CD97 Protein, GST-Tagged

Cat. No. CD97-0889H **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	Wheat Germ
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 TTPTETCDDINECATPSKVSCGKFSDCWNTEGSYDCVCSPGYEPVSGAKTFKNESE

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NTCQDVDECSSGRHQCDSSSTVCFNTVGSYSRCRPGWKPRHGIPNNQKDTVCE
MTFSTWTPPPGVHSQTLRFFDKVQDLGRDSKTSSAEVTIQNVIKLVDELMEAPGD
VEALAPPVRHLIATQLLSNLEDIMRILAKSLPKGPFTYISPSNTELTLMIQERGDKNVT
MGQSSARMKLNWAVAAGAEDPGPAVAGILSIQNM TLLANASLNHSHKKQAELEEIY
ESSIRGVQLRRLSAVNSIFLSHNNTKELNSPILFAFSHLESSDGEAGRDPPAKDVMP
GPRQELLCAFWKSDSDRGGHWATEGCQVLGSKNGSTTCQCSHLSSFILMAHYDV
EDWKLTLITRVGLALSFLCILLCILTFLLRPIQGSRTTIHLHLCLFVGSTIFLAGIENE
GGQVGLRCRLVAGLLHYCFLA AFCWMSLEGLELYFLVVRVFQGGQLSTRWLCLIGY
GVPLLIVGVSAAIYSKGYGRPRYCWLDFEQGFLWSFLGPVTFILCNAVIFVTTVWKL
TQKFSEINPDMKKLKKARALTITAI AQLFLLGCTWVFGLFIFDDRSLVLTIVFTILNCLQ
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 transmembrane helix receptor; seven span transmembrane protein; seven

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transmembrane; heterodimeric receptor associated with inflammation; TM7LN1;
seven-span transmembrane protein; seven-transmembrane, heterodimeric receptor
associated with inflammation;

Gene ID 976

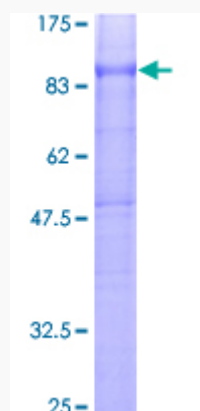
mRNA Refseq NM_001025160

Protein Refseq NP_001020331

MIM 601211

UniProt ID P48960

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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