

## Product datasheet for TP311647L

### CD97 (ADGRE5) (NM\_078481) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human CD97 molecule (CD97), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211647 representing NM_078481 Red=Cloning site Green=Tags(s)

MGGRVFLAFCVWLTLPGAETQDSRGCARWCPQNSSCVNATACRCNPGFSSFSEIITPTETCDDINECAT  
 PSKVSCGKFSDCWNTGEGSYDCVCSPGYEPVSGAKTFKNESENTCQDVDECQQNPRLCKSYGTCVNTLGSY  
 TCQCLPGFKFIPEDPKVCTDVNECTSGQNPCHSSTHCLNNVGSYQCRCRPGWQPIPGSPNGPNNTVCED  
 V  
 DECSSGQHQCDSSTVCFNTVGSYSCRCRPGWKPRHGIPNNQKDTVCEDMTFSTWTPPPGVHQSQTLSRFF  
 D  
 KVQDLGRDSKTSSAEVTIQNVIKLVDELMEAPGDVEALAPPVRHLIATQLLSNLEDIMRILAKSLPKGPF  
 TYISPSNTELTLMIQERGDKNVTMGQSSARMKLNWAVAAGAEDPGPAVAGILSIQNM TLLANASLNLS  
 KKQAELEEIYESSIRGVQLRRLSAVNSIFLSHNNTKELNSPILFAFSHLESSDGEAGRDPPAKDVMGPGR  
 QELLCAFWKSDSDRGHWATEGCQVLGSKNGSTTCQCSHLSSFALMAHYDVEDWKLTLITRVGLALSFL  
 CLLLCILTFLLVRPIQGSRTTIHLHLICICLVGSTIFLAGIENEGGQVGLRCLRVAGLLHYCFLLAAFCWM  
 SLEGLELYFLVVRVFQGGQLSTRWLCIGYGVPLLVGVSAIYSKGYGRPRYCWLD FEQGLWSFLGPV  
 TFIILCNAVIFVTTVWKLTKQFSEINPDMKKLKKARALTITAIAQLFLLGCTWWFGLFIFDDRSLVLTYY  
 FTILNCLQGAFLYLLHCLLNKKVREEYRKWACL VAGGSKYSEFTSTTS GTGHNQTRALRASESGI

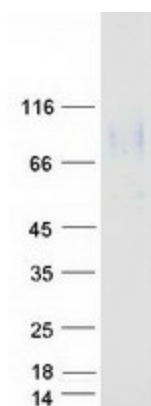
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	89.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.


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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_510966</a>
<b>Locus ID:</b>	976
<b>UniProt ID:</b>	<a href="#">P48960</a>
<b>RefSeq Size:</b>	3247
<b>Cytogenetics:</b>	19p13.12
<b>RefSeq ORF:</b>	2505
<b>Synonyms:</b>	CD97; TM7LN1
<b>Summary:</b>	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]
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, GPCR, Secreted Protein, Transmembrane

## Product images:



Coomassie blue staining of purified ADGRE5 protein (Cat# [TP311647]). The protein was produced from HEK293T cells transfected with ADGRE5 cDNA clone (Cat# [RC211647]) using MegaTran 2.0 (Cat# [TT210002]).