

Product datasheet for TP311647

CD97 (ADGRE5) (NM_078481) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human CD97 molecule (CD97), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211647 representing NM_078481 Red=Cloning site Green=Tags(s)

MGGRVFLAFCVWLTLPGAETQDSRGCARWCPQNSSCVNATACRCNPGFSSFSEIITPTETCDDINECAT
PSKVSCGKFSDCWNTEGSYDCVCSPGYEPVSGAKTFKNESENTCQDVDECQONPRLCKSYGTCVNTLGSY
TCQCLPGFKFIPEDPKVCTDVNCTSGQNPCHSSTHCLNNVGSYQCRCRPGWQPIPGSPNGPNNTVCEDV
DECSSGQHQCDSSTVCFNTVGSYSCRCRPGWKPRHGIPNNQKDTVCEDMTFSTWTPPPGVHSQTLRFFD
KVQDLGRDSKTSSAEVTIQNVIKLVDELMEAPGDVEALAPPVRHLIATQLLSNLEDIMRILAKSLPKGPF
TYISPSNTELTLMIQERGDKNVTMGQSSARMKLNWAVAAGAEDPGPAVAGILSIQNMTLLANASLNLHS
KKQAELEEIYESSIRGVQLRRLSAVNSIFLSHNNTKELNSPILFAFSHLESSDGEAGRDPKADVMPGPR
QELLCFAFWKSDSDRGGHWATEGCQVLGSKNGSTTCQCSHLSSFAILMAHYDVEDWKLTLITRVGLALSFL
CLLLCILTFLLVRPIQGSRTTIHLHLCLICLFGVSTIFLAGIENEGGQVGLRCLVAGLLHYCFLA AFCWM
SLEGLELYFLVRFVQGLSTRWLCLIGYVPLLVGVSAIYKGYGRPRYCWLDFEQGFLWSFLGPV
TFIILCNAVIFVTTVWKLTKFSEINPDMKLLKARALTITAIQLFLLGCTWVFGFLFIFDDRSLVLTYY
FTILNCLQGAFYLLHCLLNKKVREEYRKWACL VAGGSKYSEFTSTTSGTGHNQTRALRASES GI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

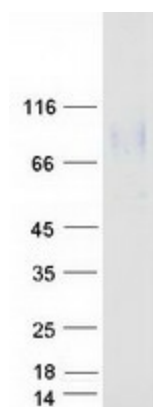
Tag:	C-Myc/DDK
Predicted MW:	89.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



[View online »](#)

Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_510966
Locus ID:	976
UniProt ID:	P48960
RefSeq Size:	3247
Cytogenetics:	19p13.12
RefSeq ORF:	2505
Synonyms:	CD97; TM7LN1
Summary:	<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>
Protein Families:	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]).