

## Product datasheet for PH311647

### CD97 (ADGRE5) (NM\_078481) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CD97 MS Standard C13 and N15-labeled recombinant protein (NP_510966)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211647
Predicted MW:	89.7 kDa
Protein Sequence:	>RC211647 representing NM_078481 Red=Cloning site Green=Tags(s)
	<p>MGGRVFLAFCVWLTLPGAETQDSRGCARWCPQNSSCVNATACRCNPGFSSFSEIITPTETCDDINECAT PSKVSCGKFSDCWNTGSDYDCVCSPGYEPVSGAKTFKNESENTCQDVDECQONPRLCKSYGTCVNTLGSY TCQCLPGFKFIPEDPKVCTDVNCTSGQNPCHSSTHCLNNVGSYQCRCPGWQPIPGSPNGPNTVCEDV DECSSGQHQCDSSTVCFNTVGSYSCRCRPGWKPRHGIPNNQKDTVCEDMTFSTWTPPPGVHSQTLRFFD KVQDLGRDSTSSAEVTIQNVIKLVDELMEAPGDVEALAPPVRLIATQLLSNLEDIMRILAKSLPKGPF TYISPSNTELTLMIQERGDKNVTMGQSSARMKLNWAVAAGAEDPGPAVAGILSIQNMTLLANASLNLHS KKQAELEEIYESSIRGVQLRRLSAVNSIFLSHNNTKELNSPILFAFSLHLESSDGEAGRDPPAKDVMGPR QELLCAFWKSDSDRGGHWATEGCQVLGSKNGSTTCQCSHLSFAILMAHYDVEDWKLTLITRVGLALSLF CLLLCILTFLLVRPIQGSRTTIHLHLICLIFVGSTIFLAGIENEGQVGLRCLVAGLLHYCFLA AFCWM SLEGLELYFLVVRVFGQGLSTRWLCLIGYGVPLLI VGVSAAIYSKGYGRPRYCWLD FEQGFLWSFLGPV TFIILCNVIVFTTVWKL TQKFSEINPDMKCLKKARALTITAI AQLFLLGCTWVFGLFIFDDRSLVLTYY FTILNCLQGAFLYLLHCLLNKKVREEYRKWACL VAGGSKYSEFTSTTSGTGHNQTRALRASESGI</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_510966</a>



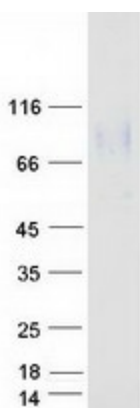
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RefSeq Size:	3247
RefSeq ORF:	2505
Synonyms:	CD97; TM7LN1
Locus ID:	976
UniProt ID:	<a href="#">P48960</a>
Cytogenetics:	19p13.12

**Summary:** 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]

**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]).