

Recombinant Human ADGRE5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ADGRE5-1471H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD97 MS Standard C13 and N15-labeled recombinant protein (NP_510966) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	89.7 kDa
AA Sequence	MGGRVFLAFCVWLTLPGAETQDSRGCARWCPQNSSCVNATACRCNPGFSSFSEII TTPTECTDDINECATPSKVSCGKFSDCWNTEGSYDCVCSPGYEPVSGAKTFKNESE

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NTCQDVDECQQNPRLCKSYGTCVNTLGSYTCQCLPGFKFIPEDPKVCTDVNECTSG
QNPCHSSTHCLNNVGSYQCRCRPGWQPIPGSPNGPNNTVCEDEVDECSSGQHQC
SSTVCFNTVGSYSCRCRPGWKPRHGIPNNQKDTVCEDMTFSTWTPPPGVHSQTLS
RFFDKVQDLGRDSKTSSAEVTIQNVIKLVDELMEAPGDVEALAPPVRHLIATQLLSNL
EDIMRILAKSLPKGPFTYISPSNTELTLMIQERGDKNVTMGQSSARMKLNWAVAAGA
EDPGPAVAGILSIQNMTTLLANASLNLHSHKKQAELEEIYESSIRGVQLRRLSAVNSIFL
SHNNTKELNSPILFAFSHLESSDGEAGRDPAPKDVMPGPRQELLCAFWKSDSDRG
GHWATEGCQVLGSKNGSTTCQCSHLSSFAILMAHYDVEDWKLTLITRVGLALSFLCL
LLCILTFLLRPIQGSRTTIHLHLCICLFVGSTIFLAGIENEGGQVGLRCRLVAGLLHYC
FLAAFCWMSLEGLELYFLVVRVFQGGQLSTRWLCLIGYGVPLLIVGVSAAIYSKGYG
RPRYCWLDFEQGFLWSFLGPVTFIILCNAVIFVTTVWKLTKQKFSEINPDMKKLKKARA
LTITAIQFLFLGCTWVFGFLFIFDDRSLVLTIVFTILNCLQGAFLYLLHCLLNKKVREEY
RKWACLVAGGSKYSEFTSTTSGTGHNQTRALRASESGITRTRPLEQKLISEEDLAAN
DILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ADGRE5 adhesion G protein-coupled receptor E5 [Homo sapiens (human)]

Official Symbol ADGRE5

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Synonyms	ADGRE5; adhesion G protein-coupled receptor E5; CD97; TM7LN1; adhesion G protein-coupled receptor E5; CD97 molecule; leukocyte antigen CD97; seven transmembrane helix receptor; seven-span transmembrane protein; seven-transmembrane, heterodimeric receptor associated with inflammation
Gene ID	976
mRNA Refseq	NM_078481
Protein Refseq	NP_510966
MIM	601211
UniProt ID	P48960
SDS-PAGE	