

Human ADGRE5 Knockdown Cell Lysate

Cat. No. ADGRE5-322HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated ADGRE5 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	92 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and

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	equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ADGRE5 KD HeLa cell lysate
Protein Families	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, GPCR, Secreted Protein, Transmembrane
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

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

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MIM	601211
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UniProt ID	P48960
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