

# Human ADGRE5 Knockdown Cell Lysate

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

## SPECIFICATION

<b>Product Overview</b>	WB-validated ADGRE5 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<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.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	92 kDa
<b>Notes</b>	<p>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</p>

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

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ADGRE5 adhesion G protein-coupled receptor E5 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">ADGRE5</a>
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">976</a>
<b>mRNA Refseq</b>	<a href="#">NM_078481</a>
<b>Protein Refseq</b>	<a href="#">NP_510966</a>

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<b>MIM</b>	601211
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<b>UniProt ID</b>	P48960
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