



# Human TRPV5 peptide (DAG-P1190)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene is a member of the transient receptor family and the TrpV subfamily. The calcium-selective channel encoded by this gene has 6 transmembrane-spanning domains, multiple potential phosphorylation sites, an N-linked glycosylation site, and 5 ANK repeats. This protein forms homotetramers or heterotetramers and is activated by a low internal calcium level. [provided by RefSeq, Jul 2008]
<b>Specificity</b>	Expressed at high levels in kidney, small intestine and pancreas, and at lower levels in testis, prostate, placenta, brain, colon and rectum.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV5 sub-subfamily. Contains 5 ANK repeats.
<b>Format</b>	Lyophilised
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TRPV5 transient receptor potential cation channel, subfamily V, member 5 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	TRPV5
<b>Synonyms</b>	TRPV5; transient receptor potential cation channel, subfamily V, member 5; CAT2; ECAC1; OTRPC3; transient receptor potential cation channel subfamily V member 5; ECaC; calcium transporter 2; osm-9-like TRP channel 3; calcium transport protein 2; epithelial calcium channel 1;

<b>Entrez Gene ID</b>	<a href="#">56302</a>
<b>mRNA Refseq</b>	<a href="#">NM_019841.5</a>
<b>Protein Refseq</b>	<a href="#">NP_062815.2</a>
<b>UniProt ID</b>	Q9NQA5
<b>Chromosome Location</b>	7q35
<b>Pathway</b>	Endocrine and other factor-regulated calcium reabsorption, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, conserved biosystem; Ion channel transport, organism-specific biosystem; Osteoclast Signaling, organism-specific biosystem; Stimuli-sensing channels, organism-specific biosystem; TRP channels, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem;
<b>Function</b>	calcium channel activity; calmodulin binding; protein binding;