# Human TRPV5 peptide (DAG-P1189)

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

## PRODUCT INFORMATION

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| **Antigen Description** | 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] |
| **Specificity** | Expressed at high levels in kidney, small intestine and pancreas, and at lower levels in testis, prostate, placenta, brain, colon and rectum. |
| **Conjugate** | Unconjugated |
| **Sequence Similarities** | Belongs to the transient receptor (TC 1.A.4) family. TrpV subfamily. TRPV5 sub-subfamily.Contains 5 ANK repeats. |
| **Format** | Lyophilised |
| **Preservative** | None |
| **Storage** | Shipped at 4℃. After reconstitution store at -20℃. Avoid freeze / thaw cycles. |

## GENE INFORMATION

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| **Gene Name** | TRPV5 transient receptor potential cation channel, subfamily V, member 5 [ Homo sapiens (human) ] |
| **Official Symbol** | TRPV5 |
| **Synonyms** | 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; |

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| **Entrez Gene ID** | 56302 |
| **mRNA Refseq** | NM_019841.5 |
| **Protein Refseq** | NP_062815.2 |
| **UniProt ID** | Q9NQA5 |
| **Chromosome Location** | 7q35 |
| **Pathway** | 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; |
| **Function** | calcium channel activity; calmodulin binding; protein binding; |