



# Human TRPC3 peptide (DAG-P1272)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene is a membrane protein that can form a non-selective channel permeable to calcium and other cations. The encoded protein appears to be induced to form channels by a receptor tyrosine kinase-activated phosphatidylinositol second messenger system and also by depletion of intracellular calcium stores. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TRPC3 transient receptor potential cation channel, subfamily C, member 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	TRPC3
<b>Synonyms</b>	TRPC3; transient receptor potential cation channel, subfamily C, member 3; TRP3; short transient receptor potential channel 3; hTrp-3; transient receptor protein 3; transient receptor potential cation channel subfamily C member 3 variant c;
<b>Entrez Gene ID</b>	<a href="#">7222</a>
<b>mRNA Refseq</b>	<a href="#">NM_001130698.1</a>

<b>Protein Refseq</b>	<a href="#">NP_001124170.1</a>
<b>UniProt ID</b>	Q13507
<b>Chromosome Location</b>	4q27
<b>Pathway</b>	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Effects of PIP2 hydrolysis, organism-specific biosystem; Elevation of cytosolic Ca <sup>2+</sup> levels, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Gastrin-CREB signalling pathway via PKC and MAPK, organism-specific biosystem; Hemostasis, organism-specific biosystem; Ion channel transport, organism-specific biosy
<b>Function</b>	calcium channel activity; inositol 1,4,5 trisphosphate binding; protein binding; store-operated calcium channel activity;