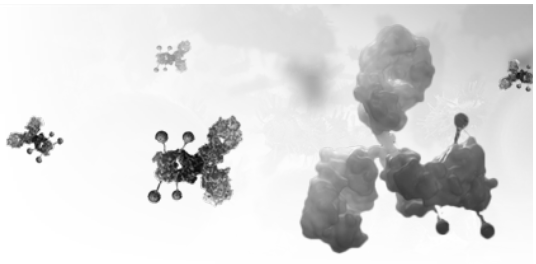

TRPC6 blocking peptide (DAG-P1260)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene forms a receptor-activated calcium channel in the cell membrane. The channel is activated by diacylglycerol and is thought to be under the control of a phosphatidylinositol second messenger system. Activation of this channel occurs independently of protein kinase C and is not triggered by low levels of intracellular calcium. Defects in this gene are a cause of focal segmental glomerulosclerosis 2 (FSGS2). [provided by RefSeq, Mar 2009]
Specificity	Expressed primarily in placenta, lung, spleen, ovary and small intestine. Expressed in podocytes and is a component of the glomerular slit diaphragm.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the transient receptor (TC 1.A.4) family. STrpC subfamily. TRPC6 sub-subfamily.Contains 4 ANK repeats.
Format	Liquid
Buffer	Preservative: 0.02% Sodium Azide Constituents: 0.1% BSA, PBS, pH 7.2
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. After reconstitution store at -20℃. Avoid freeze / thaw cycles. Preservative: 0.02% Sodium Azide Constituents: 0.1% BSA, PBS, pH 7.2

GENE INFORMATION

Gene Name	TRPC6 transient receptor potential cation channel, subfamily C, member 6 [Homo sapiens (human)]

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Official Symbol	TRPC6
Synonyms	TRPC6; transient receptor potential cation channel, subfamily C, member 6; TRP6; FSGS2; short transient receptor potential channel 6; TRP-6; transient receptor protein 6; focal segmental glomerulosclerosis 2;
Entrez Gene ID	7225
mRNA Refseq	NM_004621.5
Protein Refseq	NP_004612.2
UniProt ID	Q9Y210
Chromosome Location	11q22.1
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; EPO signaling pathway, organism-specific biosystem; Effects of PIP2 hydrolysis, organism-specific biosystem; Elevation of cytosolic Ca2+ levels, organism-specific biosystem; Endothelins, 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 bios
Function	inositol 1,4,5 trisphosphate binding; protein binding; store-operated calcium channel activity;

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