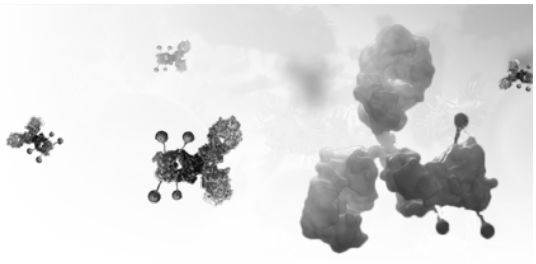

Human TSC2 peptide (DAG-P2034)

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

PRODUCT INFORMATION

Antigen Description	Mutations in this gene lead to tuberous sclerosis complex. Its gene product is believed to be a tumor suppressor and is able to stimulate specific GTPases. The protein associates with hamartin in a cytosolic complex, possibly acting as a chaperone for hamartin. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Specificity	Liver, brain, heart, lymphocytes, fibroblasts, biliary epithelium, pancreas, skeletal muscle, kidney, lung and placenta.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 Rap-GAP domain.
Format	Liquid
Preservative	None
Storage	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

Gene Name	TSC2 tuberous sclerosis 2 [Homo sapiens (human)]
Official Symbol	TSC2
Synonyms	TSC2; tuberous sclerosis 2; LAM; TSC4; tuberin; tuberous sclerosis 2 protein;
Entrez Gene ID	7249
mRNA Refseq	NM_000548.3

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Protein Refseq	NP_000539.2
UniProt ID	P49815
Chromosome Location	16p13.3
Pathway	AKT phosphorylates targets in the cytosol, organism-specific biosystem; AMPK signaling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; BDNF signaling pathway, organism-specific biosystem; Constitutive PI3K/AKT Signaling in Cancer, organism-specific biosystem; DAP12 interactions, organism-specific biosystem; DAP12 signaling, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; Disease, organism-specific biosystem; Downstream Signaling
Function	14-3-3 protein binding; GTPase activator activity; phosphatase binding; protein binding; protein heterodimerization activity; protein homodimerization activity;

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