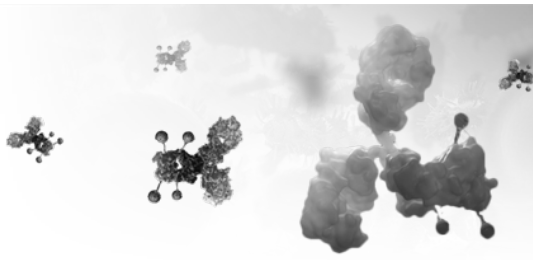

Human DNM2 peptide (DAG-P1540)

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

PRODUCT INFORMATION

Antigen Description	Dynamins represent one of the subfamilies of GTP-binding proteins. These proteins share considerable sequence similarity over the N-terminal portion of the molecule, which contains the GTPase domain. Dynamins are associated with microtubules. They have been implicated in cell processes such as endocytosis and cell motility, and in alterations of the membrane that accompany certain activities such as bone resorption by osteoclasts. Dynamins bind many proteins that bind actin and other cytoskeletal proteins. Dynamins can also self-assemble, a process that stimulates GTPase activity. Five alternatively spliced transcripts encoding different proteins have been described. Additional alternatively spliced transcripts may exist, but their full-length nature has not been determined. [provided by RefSeq, Jun 2010]
Specificity	Ubiquitously expressed.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the dynamin family.Contains 1 GED domain.Contains 1 PH 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	DNM2 dynamin 2 [Homo sapiens (human)]
Official Symbol	DNM2

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Synonyms	DNM2; dynamin 2; DYN2; CMT2M; DYNII; LCCS5; CMTDI1; CMTDIB; DI-CMTB; dynamin-2; dynamin II;
Entrez Gene ID	1785
mRNA Refseq	NM_001005360.2
Protein Refseq	NP_001005360.1
UniProt ID	P50570
Chromosome Location	19p13.2
Pathway	Adaptive Immune System, organism-specific biosystem; Arf6 trafficking events, organism-specific biosystem; Axon guidance, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Clathrin derived vesicle budding, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, organism-specific biosystem; Endocrine and ot
Function	GTP binding; GTPase activity; GTPase activity; enzyme binding; microtubule binding; protein binding;

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