

Recombinant Human DNM1, GST-tagged

Cat. No. DNM1-12103H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human DNM1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 502-851 a.a.

Description This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein possesses unique mechanochemical properties used to tubulate and sever membranes, and is involved in clathrin-mediated endocytosis and other vesicular trafficking processes. Actin and other cytoskeletal proteins act as binding partners for the encoded protein, which can also self-assemble leading to stimulation of GTPase activity. More than sixty highly conserved copies of the 3 region of this gene are found elsewhere in the genome, particularly on chromosomes Y and 15. Alternatively spliced transcript variants encoding different isoforms have been described.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name DNM1 dynamin 1 [Homo sapiens]

Official Symbol DNM1

Synonyms DNM1; dynamin 1; DNM; dynamin-1;

Gene ID 1759

mRNA Refseq NM_001005336

Protein Refseq NP_001005336

MIM 602377

UniProt ID Q05193

Chromosome Location 9q34

Pathway Axon guidance, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; CXCR3-mediated signaling events, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Developmental Biology, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem;

Function GTP binding; GTPase activity; hydrolase activity; identical protein binding; nucleotide binding; protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA