

## Recombinant Human SMPD3

Cat. No. SMPD3-29444TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human NSMase2 (aa 1-655) with a proprietary tag; 98.12kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	655 amino acids
<b>Molecular Weight</b>	98.120kDa inclusive of tags
<b>Tissue specificity</b>	Predominantly expressed in brain.
<b>Biological activity</b>	useful for Antibody Production and Protein Array
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: (Glutathione is reduced)
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

**Sequence Similarities** Belongs to the neutral sphingomyelinase family.

## GENE INFORMATION

**Gene Name** SMPD3 sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II) [ Homo sapiens ]

**Official Symbol** SMPD3

**Synonyms** SMPD3; sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II); sphingomyelin phosphodiesterase 3; NSMASE2;

**Gene ID** 55512

**mRNA Refseq** NM\_018667

**Protein Refseq** NP\_061137

**MIM** 605777

**Uniprot ID** Q9NY59

**Chromosome Location** 16q22.1

**Pathway** Ceramide signaling pathway, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingolipid metabolism, conserved biosystem;

**Function** hydrolase activity; metal ion binding; sphingomyelin phosphodiesterase activity;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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