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Datasheet for ABIN1990143
SMPD4 Protein (AA 1-798) (GST tag)

Overview

Quantity:	25 µg
Target:	SMPD4
Protein Characteristics:	AA 1-798
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMPD4 protein is labelled with GST tag.
Application:	Western Blotting (WB), ELISA, Affinity Purification (AP), Antibody Array (AA)

Product Details

Purpose:	SMPD4 (Human) Recombinant Protein (P01)
Sequence:	MAFPHLQQPS FLLASLKADS INKPFAQQCQ DLVKVIEDFP AKELHTIFPW LVESIFGSLD GVLVGNLRC LQGRVNPVEY SIVMEFLDPG GPMMLVYKL QAEDYKDFDP VSYLPGPVKA SIQECILPDS PLYHNKVQFT PTGGLGLNLA LNPFEYYIFF FALSITQKP LPVSLHVRTS DCAYFILVDR YLSWFLPTEG SVPPPLSSSP GGTSPSPPPR TPAIPFASYG LHHTSLLKRH ISHQTSVNAD PASHEIWRSE TLLQVFVEMW LHHYSLEMYQ KMQSPHAKES FTPTEEHVLV VRLLLKHLHA FANSLKPEQA SPSAHSATS PLEEFKRAAV PRFVQQKLYL FLQHCFGHWP LDASFRVLE MWLSYLQPWR YAPDKQAPGS DSQPRCVSEK WAPFVQENLL MYTKLFGVGL NRALRTLVS PKHALMVFRV AKVFAQPNLA EMIQKGEQLF LEPELVIPHR QHRLFTAPTF TGSFLSPWPP AVTDASFVKV SHVYSLEGQD CKYTPMFGPE ARTLVRLAQ LITQAKHTAK SISDQCAESP AGHSFLSWLG FSSMDTNGSY TANDLDEMGG DSVRKTDEYL EKALEYLRQI FRLSEAQLRQ FTLALGTTQD ENGKKQLPDC IVGEDGLILT PLGRYQIING LRRFEIEYQG

Product Details

DPELQPIRSY EIASLVRTL F RLSSAINHRF AGQMAALCSR DDFLGSFCRY HLTEPGLASR
HLLSPVGRRQ VAGHTRGPRL SLRFLGSYRT LVSLLLAFFV ASLFCVGPLP CTTTTLGYV
LYASAMTLLT ERGKLNHP

Characteristics: Human SMPD4 full-length ORF (BAA91070.1, 1 a.a. - 798 a.a.) recombinant protein with GST tag at N-terminal.

Purification: in vitro wheat germ expression system

Target Details

Target: SMPD4

Alternative Name: SMPD4 ([SMPD4 Products](#))

Background: Synonyms: FLJ20297,FLJ20756,KIAA1418,NSMASE3,nSMase-3
Gene Description: sphingomyelin phosphodiesterase 4, neutral membrane (neutral sphingomyelinase-3)
Gene Name: SMPD4
Gene Summary: Sphingomyelinases (EC 3.1.4.12), such as SMPD4, catalyze the hydrolysis of membrane sphingomyelin to form phosphorylcholine and ceramide (Krut et al., 2006 [PubMed 16517606])
GenBank: AK000304.1, BAA91070.1

Molecular Weight: 116.5 kDa (theoretical)

Gene ID: 55627

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -80 °C

Storage Comment: Best use within three months from the date of receipt of this protein.