

Recombinant Human PLS1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PLS1-3606H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLS1 MS Standard C13 and N15-labeled recombinant protein (NP_001138791) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. The protein encoded by this gene is a third distinct plastin isoform, which is specifically expressed at high levels in the small intestine. Alternatively spliced transcript variants varying in the 5' UTR, but encoding the same protein, have been found for this gene. A pseudogene of this gene is found on chromosome 11.
Molecular Mass	70.3 kDa
AA Sequence	MENSTTTISREELEELQEAFNKIDIDNSGYVSDYELQDLFKEASLPLPGYKVREIVEKI LSVADSNKDGKISFEFVSLMQELKSKDISKTRKIINKREGITAIGGTSTISSEGTQHS YSEEEKVAFVNWINKALENDPDCCKHLIPMNPNDDSLKSLADGILLCKMINLSEPDIT DERAINKKKLTPTFISENLNLALNSASAIGCTVVNIGASDLKEGKPHLVGLLWQIIKVG LFADIEISRNEALIALLEGELEEELMKLSPEELLRWVNYHLTNAGWHTISNFSQDIK DSRAYFHLLNQIAPKGGEDGPAIAIDLGINETNDLKRAGLMLQEADKLGCKQFVTPA

 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

DVVSGNPKLNLAFFVANLFNTYPC LHKPNNNDIDMNLLEGESKEERTFRNWMNSLGV
 NPYINHLYSDLADALVIFQLYEMIRVPVNWRHVNKPPYPALGGNMKKIENCNYAVEL
 GKNKAKFSLVGIAGQDLNEGNSTLTALVWQLMRRYTLNVLSDLGEGEKVNDEIIK
 WVNQTLKSANKKTSISSFKDKSISTSLPVLDLIDAIAPNAVRQEMIRRENLSDEDKLNN
 AKYAISVARKIGARIYALPDDLVEVKPKMVMTVFACLMGKGLNRIKTRTRPLEQKLISE
 EDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PLS1 plastin 1 [Homo sapiens (human)]

Official Symbol PLS1

Synonyms PLS1; plastin 1; plastin 1 (I isoform); plastin-1; I plastin; Plastin 1; fimbrin; intestine specific plastin; intestine-specific plastin;

Gene ID 5357

mRNA Refseq NM_001145319

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Protein Refseq NP_001138791

MIM 602734

UniProt ID Q14651

SDS-PAGE



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