

Recombinant Human PRIM2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRIM2-5440H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRIM2 MS Standard C13 and N15-labeled recombinant protein (NP_000938) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes the 58 kilodalton subunit of DNA primase, an enzyme that plays a key role in the replication of DNA. The encoded protein forms a heterodimer with a 49 kilodalton subunit. This heterodimer functions as a DNA-directed RNA polymerase to synthesize small RNA primers that are used to create Okazaki fragments on the lagging strand of the DNA. Alternative splicing of this gene results in multiple transcript variants. This gene has a related pseudogene, which is also present on chromosome 6.
Molecular Mass	58.8 kDa
AA Sequence	MEFSGRKWRKLRLAGDQRNASYPHCLQFYLPPESENISLIEFENLAIDRVKLLKSVE NLGVSIVKGTQYQSKLESELRLKFSYRENLEDEYEPRRRDHISHFILRLAYCQSE ELRRWFIQQEMDLLRFRFSILPKDKIQDFLKDSQLQFEAISDEEKTREQEIVASSPSL SGLKLGFEISYKIPFADALDLFRGRKVYLEDFAYVPLKDIVAILNEFRAKLSKALALT ARSLPAVQSDERLQPLLNLHLSHSYTGQDYSTQGNVKGISLDQIDLLSTKSFPFCMRQ LHKALRENHHLRHGGRMQYGLFLKGIGLTLEQALQFWKQEFIKGKMDPDKFDKGYS

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YNIRHSFGKEGKRTDYTPFSLKIILSNPPSQGDYHGCPFRHSDPELLKQKLQSYKIS
 PGGISQILDLVKGTHYQVACQKYFEMIHNVDGCGFSLNHPNQFFCESQRILNGGKDI
 KKEPIQPETPQPKPSVQKTKDASSALASLNSSLEMDMEGLEDYFSEDSTRTRPLEQ
 KLISEEDLAANDILDYKDDDDKV

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 PRIM2 DNA primase subunit 2 [Homo sapiens (human)]

Official Symbol PRIM2

Synonyms PRIM2; primase, DNA, polypeptide 2 (58kDa); PRIM2A, primase, polypeptide 2A (58kD), primase, polypeptide 2A, 58kDa; DNA primase large subunit; dJ422B11.1.1; DNA primase subunit p58; DNA primase 58 kDa subunit; primase polypeptide 2A, 58kDa; p58; PRIM2A; MGC75142;

Gene ID 5558

mRNA Refseq NM_000947

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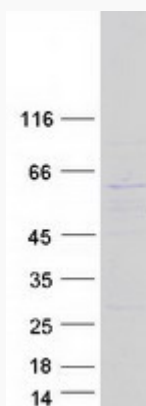
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Protein Refseq NP_000938

MIM 176636

UniProt ID P49643

SDS-PAGE



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