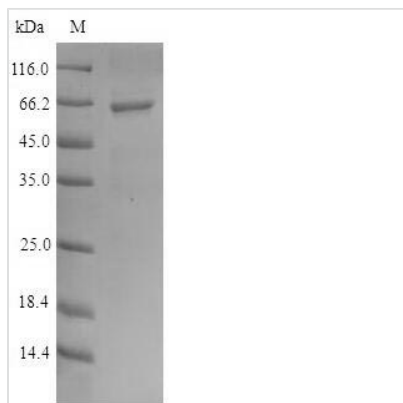




# Recombinant Human DNA primase small subunit (PRIM1)

<b>Product Code</b>	CSB-EP018680HU
<b>Relevance</b>	DNA primase is the polymerase that synthesizes small RNA primers for the Okazaki fragments made during discontinuous DNA replication.
<b>Abbreviation</b>	Recombinant Human PRIM1 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P49642
<b>Alias</b>	DNA primase 49 kDa subunit Short name: p49
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	METFDPTLPELLKLYRRLFPYSQYYRWLNYYGGVIKNYFQHREFSFTLKDDIY IRYQSFNNQSDLEKEMQKMNPYKIDIGAVYSHRPNQHNTVKLGAFQAQEKELV FDIDMTDYDDVRRCCSSADICPKCWTLMTMAIRIIDRALKEDFGFKHRLWVYS GRRGVHCWVCDESVRKLSAVRSGIVEYLSLVKGGQDVKKKVHLSEKIHPFIR KSINIIKKYFEEYALVNQDILENKESWDKILALVPETIHDELQQSFQKSHNSLQR WEHLKVASRYQNNIKNDKYGPWLEWEIMLQYCFPRLDINVSKGINHLLKSPF SVHPKTGRISVPIDLQKVDQFDPFTVPTISFICRELDIAISTNEEEKEENEAEESDV KHRTRDYKKTSLAPYVKVFEHFLENLDKSRKGELLKSDLQKDF
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	PRIM1
<b>Protein Names</b>	Recommended name: DNA primase small subunit EC= 2.7.7.- Alternative name(s): DNA primase 49 kDa subunit Short name= p49
<b>Expression Region</b>	1-420aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	65.9kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.