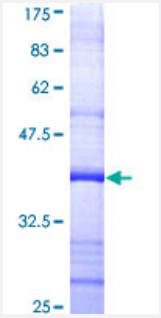
PRIM1 (Human) Recombinant Protein (Q01)

Catalog # H00005557-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PRIM1 partial ORF (AAH05266, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	METFDPTELPELLKLYYRRLFPYSQYYRWLNYGGVIKNYFQHREFSFTLKDDIYIRYQSFNNQSDLE KEMQKMNPYKIDIGAVYSHRPNQHNTVKLGAFQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (95)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PRIM1

Entrez GeneID	5557
GeneBank Accession#	BC005266
Protein Accession#	AAH05266
Gene Name	PRIM1
Gene Alias	MGC12308, p49
Gene Description	primase, DNA, polypeptide 1 (49kDa)
Omim ID	176635
Gene Ontology	Hyperlink
Gene Summary	The replication of DNA in eukaryotic cells is carried out by a complex chromosomal replication ap paratus, in which DNA polymerase alpha and primase are two key enzymatic components. Prima se, which is a heterodimer of a small subunit and a large subunit, synthesizes small RNA primers f or the Okazaki fragments made during discontinuous DNA replication. The protein encoded by thi s gene is the small, 49 kDa primase subunit. [provided by RefSeq
Other Designations	DNA primase 1|DNA primase polypeptide 1|DNA primase small subunit|DNA primase subunit 48 |primase p49 subunit|primase polypeptide 1, 49kDa

Pathway

- DNA replication
- Metabolic pathways
- Purine metabolism

- Pyrimidine metabolism