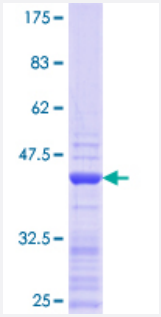
TERF1 (Human) Recombinant Protein (Q01)

Catalog # H00007013-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TERF1 partial ORF (NP_003209.1, 312 a.a. - 417 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QQDLNKKERRVGTPQSTKKKKESRRATESRIPVSKSQPVTPEKHRARKRQAWLWEEDKNLRSG VRKYGEGNWSKILLHYKFNNRTSVMLKDRWRTMKKLKLISSDS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.4
Interspecies Antigen Sequence	Mouse (62); Rat (63)
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 — TERF1

Entrez GeneID	7013
GeneBank Accession#	NM_003218
Protein Accession#	NP_003209.1
Gene Name	TERF1
Gene Alias	FLJ41416, PIN2, TRBF1, TRF, TRF1, hTRF1-AS, t-TRF1
Gene Description	telomeric repeat binding factor (NIMA-interacting) 1
Omim ID	600951
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a telomere specific protein which is a component of the telomere nucleoprotein complex. This protein is present at telomeres throughout the cell cycle and functions as an inhibitor of telomerase, acting in cis to limit the elongation of individual chromosome ends. The protein structure contains a C-terminal Myb motif, a dimerization domain near its N-terminus and an acidic N-terminus. Two transcripts of this gene are alternatively spliced products. [provided by RefSeq
Other Designations	telomeric repeat binding factor 1|telomeric repeat binding protein 1

Disease

- Anemia
- Breast cancer
- Breast Neoplasms

- Carcinoma
- Endometrial Neoplasms
- Genetic Predisposition to Disease
- Liver Neoplasms
- Lung Neoplasms
- Neoplasm Metastasis
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome