

Data sheet

Human TERF1 (Telomeric repeat-binding factor 1) 6xHis-GST tagged Recombinant protein

Cat. No: PR0421 (10 µg)

Source: E. coli

Cat. No: PR0422 (25 µg)

Cat. No: PR0423 (50 µg)

Description



Binds the telomeric double-stranded 5'-TTAGGG-3' repeat and negatively regulates telomere length. Involved in the regulation of the mitotic spindle. Component of the shelterin complex (telosome) that is involved in the regulation of telomere length and protection. Shelterin associates with arrays of double-stranded 5'-TTAGGG-3' repeats added by telomerase and protects chromosome ends; without its protective activity, telomeres are no longer hidden from the DNA damage surveillance and chromosome ends are inappropriately processed by DNA repair pathways.

Protein Information



AA Sequence: 1-419 aa (full-length).

Predicted MW: 77.2 kDa

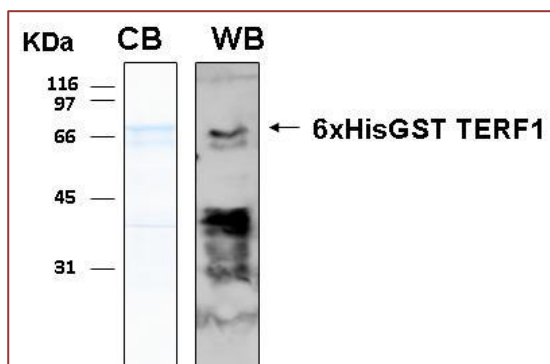
Purity: >85% confirmed by SDS-Page and Coomassie blue staining.

Tag: 6xHis-GST tags.

Buffer: 20mM Tris-HCl, 0.5M NaCl, 100mM imidazole, pH: 8.0. No preservatives added.

Storage: Frozen / Solution. For extended storage, conserve at -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Biological activity: Not tested.



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Canvax Biotech, S.L. C/ Astrónoma Cecilia Payne, Edificio Orión. 14014 Córdoba, Spain.

☎ : +34 957 348 066

☎ : +34 957 346 217

✉ : info@canvaxbiotech.com





Gene Information

Synonyms: hTRF1-AS, NIMA interacting protein 2, PIN2, t-TRF1, Telomeric protein Pin2/TRF1, Telomeric repeat binding protein 1, TRBF1, TRF, TRF1, TTAGGG repeat binding factor 1.

Official Symbol: TERF1.

Specie: *Homo sapiens*.

GenBank accession number: NM_003218.3

NCBI Protein RefSeq: NP_003209.2

Protein Family: Chemokine.



Applications

ELISA, WB, Antibody Production and Protein array.



For Research Use Only.

Not for use in diagnostic or therapeutic procedures.