Recombinant Human Transcriptional Repressor Ctcf/CTCF Protein

Catalog No.: RP00606

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Sequence Information

Species
Human

Gene ID
10664

Swiss Prot
P49711

Tags
No tag

Synonyms
CTCF, MRD21, CCCTC-binding factor,MRD21,CTCF

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
16.9 kDa

Observed MW
35-40 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Transcriptional Repressor CTCF (CTCF) belongs to the CTCF Zinc-Finger Protein family. CTCF contains twelveC2H2-type zinc fingers and interacts with CHD8. CTCF is widely expressed in many tissues, and it is absent inprimary spermatocytes. CTCF is involved in transcriptional regulation by binding to chromatin insulators andpreventing interaction between promoter and nearby enhancers and silencers. CTCF plays an essential role inoocyte and preimplantation embryo development by activating or repressing transcription. In addition, CTCF isalso indispensable in the epigenetic regulation and chromatin remodeling.

Basic Information

Description
Recombinant Human Transcriptional Repressor Ctcf/CTCF Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Ile154) of Human Transcriptional Repressor Ctcf/CTCF (Accession #P49711)fused with no tag..

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

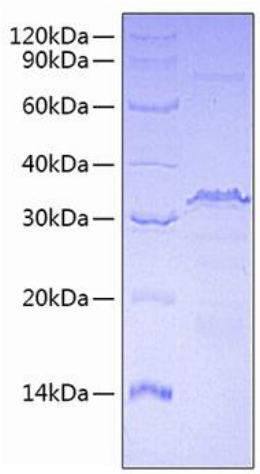
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Transcriptional Repressor Ctcf/CTCF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.