

Datasheet for ABIN7536632
CTCF Protein (AA 1-727) (GST tag)



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Overview

Quantity:	2 µg
Target:	CTCF
Protein Characteristics:	AA 1-727
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTCF protein is labelled with GST tag.
Application:	ELISA, Western Blotting (WB), Antibody Array (AA), Affinity Purification (AP)

Product Details

Purpose:	CTCF (Human) Recombinant Protein (P01)
Sequence:	MEGDAVEAIV EESETFIKGK ERKTYQRRRE GGQEEDACHL PQNQTDGGEV VQDVNSSVQM VMMEQLDPTL LQMKTEVMEG TVAPEAEAAV DDTQIITLQV VNMEEQPINI GELQLVQVPV PVTVPVATTS VEELQGAYEN EVSKEGLAES EPMICHTLPL PEGFQVVKVG ANGEVETLEQ GELPPQEDPS WQKDPDYQPP AKKTKKTKKS KLRYTEEGKD VDVSVDYDFEE EQQEGLLSEV NAEKVVGNMK PPKPTKIKKK GVKKTFQCEL CSYTCPRRSN LDRHMKSHTD ERPHKCHLCG RAFRTVTLR NHLNTHTGTR PHKCPDCDMA FVTSGELVRH RRYKHTHEKP FKCSMCDYAS VEVSKLKRHI RSHTGERPFQ CSLCSYASRD TYKLKRHMRT HSGEKPYECY ICHARFTQSG TMKMHILQKH TENVAKFHCP HCDTVIARKS DLGVHLRKQH SYIEQGKKCR YCDAVFHERY ALIQHQKSHK NEKRFKCDQC DYACRQERHM IMHKRTHTGE KPYACSHCDK TFRQKQLLDM HFKRYHDPNF VPAAFVCSKC GKTFFRRNTM ARHADNCAGP DGVEGENGGE TKKSKRGRKR KMRSKKEDSS DSENAEPDL DNEDEEPAV EIEPEPEPQP VTPAPPPAKK RRRGRPPGRTN

Product Details

QPKQNQPTAI IQVEDQNTGA IENIIVEVKK EPDAEPAEGE EEEAQPAATD APNGDLTPEM
ILSMMDR

Characteristics: Human CTCF full-length ORF (AAH14267, 1 a.a. - 727 a.a.) recombinant protein with GST-tag at N-terminal.

Purification: in vitro wheat germ expression system

Target Details

Target: CTCF

Alternative Name: CTCF ([CTCF Products](#))

Background: Full Gene Name: CCCTC-binding factor (zinc finger protein)
Synonyms:

Gene ID: 10664

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Preparation method: in vitro, wheat germ expression system
Product Quality tested by: 12.5% SDS-PAGE Stained with Coomassie Blue.

Restrictions: For Research Use only

Handling

Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -80 °C

Storage Comment: Best use within three months from the date of receipt of this protein.

Publications

Product cited in: Al-Mahdawi, Sandi, Mouro Pinto, Pook: "Friedreich ataxia patient tissues exhibit increased 5-hydroxymethylcytosine modification and decreased CTCF binding at the FXN locus." in: **PLoS ONE**, Vol. 8, Issue 9, pp. e74956, (2013) ([PubMed](#)).

Shukla, Kavak, Gregory, Imashimizu, Shutinoski, Kashlev, Oberdoerffer, Sandberg, Oberdoerffer:

Publications

"CTCF-promoted RNA polymerase II pausing links DNA methylation to splicing." in: **Nature**, Vol. 479, Issue 7371, pp. 74-9, (2011) ([PubMed](#)).

Li, Hu, Qiu, Ling, Chen, Wang, Hou, Vu, Hoffman: "CTCF regulates allelic expression of Igf2 by orchestrating a promoter-polycomb repressive complex 2 intrachromosomal loop." in:

Molecular and cellular biology, Vol. 28, Issue 20, pp. 6473-82, (2008) ([PubMed](#)).

Images

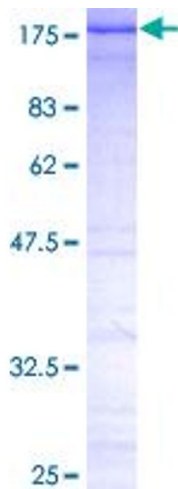


Image 1.