

Product Datasheet

Recombinant Human CTCF GST (N-Term) Protein H00010664-P01-2ug

Unit Size: 2 ug

Store at -80C. Avoid freeze-thaw cycles.

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H00010664-P01-2ug

Recombinant Human CTCF GST (N-Term) Protein

Product Information	
Unit Size	2 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	105.6 kDa
Product Description	
Description	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-727 of Human CTCF</p> <p>Source: <i>Wheat Germ (in vitro)</i></p> <p>Amino Acid Sequence: MEGDAVEAIVEESETFIK GKERKTYQRRREGGQEEDACHLPQNQTDGGGEVVO DVNSSVQMVMMEQLDPTLLQMKTEVMEGTVAPEAEA AVDDTQIITLQVVNME EQPINIGELQLVQVPVPVTVPVATTSSVEELQGAYENEVSKEGLAESEPMICHTL PLPEGFQVVKVGANGEVETLEQGELPPQEDPSWQKDPDYQPPAKKTKKTKKS KLRYTEEGKDVDVSVYDFEEEEQQEGLLSEVNAEKVVGNMKPPKPTKIKKKGVK KTFQCELCSYTCPRRSNLDHRHMKSH TDERPHKCHLCGRAFRTVTLRNLHNT HTGTRPHKCPDCDMAFVTSGELVRHRRYKHTHEKPFKCSMCDYASVEVSKLK RHIRSHTGERPFQCSLCSYASRD TYKLRHMRTHSGEKPYECYICHAFTQSG TMKMHLQKHTENVAKFHCPHCDT VIARKSDLGVHLRQHSYIEQGKKCRYCD AVFHERYALIQHQKSHKNEKRFKCDQCDYACRQERHMIMHKRTH TGEKPYAC SHCDKTRQKQLLDMHFKRYHDPNFVPAAFVCSKCGKTFTRRNTMARHADNC AGPDGVEGENGGETKKS KRGRKRKMRSKKEDSSDSENAEPDLDDNEDEEEP AVEIEPEPEPQPVTPAPPPAKRRRGRPPGR TNQPKQNQPTAIQVEDQNTGAIE NIIVEVKKEPDAEPAEGEEEEAQPAATDAPNGDLTPEMILSMMDR</p>
Gene ID	10664
Gene Symbol	CTCF
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Protein Array, Immunoaffinity Purification
Recommended Dilutions	Western Blot, ELISA, Protein Array, Immunoaffinity Purification



Images

SDS-Page: Recombinant Human CTCF Protein [H00010664-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



Publications

Li T, Hu JF, Qiu X et al. CTCF Regulates Allelic Expression of Igf2 by Orchestrating a Promoter-Polycomb Repressive Complex 2 Intrachromosomal Loop. *Mol Cell Biol*. 2008-07-28 [PMID: 18662993]

Shukla S, Kavak E, Gregory M et al. CTCF-promoted RNA polymerase II pausing links DNA methylation to splicing. *Nature*. 2011-10-02 [PMID: 21964334]

Al-Mahdawi S, Sandi C, Mouro Pinto R, Pook MA. Friedreich Ataxia Patient Tissues Exhibit Increased 5-Hydroxymethylcytosine Modification and Decreased CTCF Binding at the FXN Locus. *PLoS One*. 2013-09-04 [PMID: 24023969]

Spencer RJ, del Rosario BC, Pinter SF et al. A boundary element between Tsix and Xist binds the chromatin insulator Ctf and contributes to initiation of X-chromosome inactivation *Genetics* 2011-10-01 [PMID: 21840866]



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Products Related to H00010664-P01-2ug

H00010664-Q01-10ug	Recombinant Human CTCF GST (N-Term) Protein
NB100-56519	DNMT1 Antibody (60B1220.1) - BSA Free
NBP2-52911	CTCF Antibody (CL0307)
AF1759	Oct-3/4 Antibody [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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