

Recombinant Human CXXC1, His-tagged

Cat. No. CXXC1-27242TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 250-632 of Human CGBP with an N terminal His tag. Predicted mwt: 46 kDa,
Species	Human
Source	E.coli
ProteinLength	250-632 a.a.
Description	Proteins that contain a CXXC motif within their DNA-binding domain, such as CXXC1, recognize CpG sequences and regulate gene expression (Carlone and Skalnik, 2001
Conjugation	HIS
Form	Lyophilised:Reconstitute with 92 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	KLGRIREDEGAVASSTVKEPPEATATPEPLSDEDLPLDPD LYQDFCAGAFDDHGLP WMSDTEESPFLDPALRKRAVKV KHVKRREKKSEKKKEERYKRHRQKQKHDKWK HPERAD AKDPASLPQCLGPGCVRPAQPSSKYCSDDCGMKLAANRIY EILPQRIQQ WQQSPCIAEEHGKKLLERIRREQQSARTR LQEMERRFHELEAILRAKQQAVREDE

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ESNEGDSDDTD LQIFCVSCGHPINPRVALRHMERCYAKYESQTSFGSMYPT RIEG
 ATRLFCDVYNPQSKTYCKRLQVLCPEHSRDPKVP ADEVCGCPLVRDVFELTGDFC
 RLPKRQCNRHWCWEKLR RAEVDLERVRVWYKLDELFEQERNVRTAMTNRAGL

GENE INFORMATION

Gene Name	CXXC1 CXXC finger protein 1 [Homo sapiens]
Official Symbol	CXXC1
Synonyms	CXXC1; CXXC finger protein 1; CXXC finger 1 (PHD domain); cpG-binding protein; CFP1; CGBP; CpG binding protein; DNA binding protein with PHD finger and CXXC domain; hCGBP; HsT2645; PCCX1; PHF18; SPP1; ZCGPC1; zinc finger; CpG binding type containing 1;
Gene ID	30827
mRNA Refseq	NM_001101654
Protein Refseq	NP_001095124
MIM	609150
Uniprot ID	Q9P0U4
Chromosome Location	18q12
Pathway	Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Unfolded Protein Response, organism-specific biosystem;

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Function

DNA binding; contributes_to histone methyltransferase activity (H3-K4 specific); metal ion binding; protein binding; unmethylated CpG binding;

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