

## Recombinant Human CXXC1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 250-632 of Human CGBP with an N terminal His tag. Predicted mwt: 46 kDa,
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	250-632 a.a.
<b>Description</b>	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
<b>Conjugation</b>	HIS
<b>Form</b>	Lyophilised:Reconstitute with 92 µl aqua dest.
<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	KLGRIREDEGAVASSTVKEPPEATATPEPLSDEDLPLDPD LYQDFCAGAFDDHGLP WMSDTEESPFLDPALRKRAVKV KHVKRREKKSEKKKEERYKRHRQKQKHDKWK HPERAD AKDPASLPQCLGPGCVRPAQPSSKYCSDDCGMKLAANRIY EILPQRIQQ WQSPCIAEEHGKLLERIRREQQSARTR LQEMERRFHELEAILRAKQQAVREDE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ESNEGDSDDTD LQIFCVSCGHPINPRVALRHMERCYAKYESQTSFGSMYPT RIEG  
 ATRLFCDVYNPQSKTYCKRLQVLCPEHSRDPKVP ADEVCGCPLVRDVFELTGDFC  
 RLPKRQCNRHWCWEKLR RAEVDLERVRVWYKLDLFEQERNVRTAMTNRAGL

## 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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Function**

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA