

# Recombinant Full Length Human NIPBL Protein, GST-tagged

Cat. No. NIPBL-6635HF    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human NIPBL full-length ORF ( AAH33847.1, 1 a.a. - 175 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	175 amino acids
<b>Description</b>	<p>This gene encodes the homolog of the <i>Drosophila melanogaster</i> Nipped-B gene product and fungal Scc2-type sister chromatid cohesion proteins. The <i>Drosophila</i> protein facilitates enhancer-promoter communication of remote enhancers and plays a role in developmental regulation. It is also homologous to a family of chromosomal adherins with broad roles in sister chromatid cohesion, chromosome condensation, and DNA repair. The human protein has a bipartite nuclear targeting sequence and a putative HEAT repeat. Condensins, cohesins and other complexes with chromosome-related functions also contain HEAT repeats. Mutations in this gene result in Cornelia de Lange syndrome, a disorder characterized by dysmorphic facial features, growth delay, limb reduction defects, and mental retardation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]</p>
<b>Molecular Mass</b>	45.9 kDa
<b>AA Sequence</b>	MKCLPENSAPLIEFANVSQGILLMLLKQHLKNLCGFSDSKIQKYSPESEAKVYDKAI NRKTGVHFHPKQTLDFLRSDMANSKITEEVKRSIVKQYLDKLLMEHLDPDEEEEEEG

 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

EVSASTNARNKAITSLLGGGSPKNNTAAETEDDES DGEDRGGGTSGVRRRRSQRIS  
QRIT

**Applications**  
Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes** Best use within three months from the date of receipt of this protein.

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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

## GENE INFORMATION

**Gene Name** [NIPBL Nipped-B homolog \(Drosophila\) \[ Homo sapiens \]](#)

**Official Symbol** [NIPBL](#)

**Synonyms** NIPBL; Nipped-B homolog (Drosophila); nipped-B-like protein; DKFZp434L1319; FLJ11203; FLJ12597; FLJ13354; FLJ13648; IDN3; Scc2; sister chromatid cohesion 2 homolog (yeast); delangin; SCC2 homolog; sister chromatid cohesion 2 homolog; CDLS; CDLS1; IDN3-B; FLJ44854;

**Gene ID** [25836](#)

**mRNA Refseq** [NM\\_015384](#)

**Protein Refseq** [NP\\_056199](#)

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<b>MIM</b>	608667
<b>UniProt ID</b>	Q6KC79

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