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**Product Data Sheet**


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Product Name: CENPU Human  
 Cat. No.: GP23126  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Centromere Protein U; MLF1IP; Polo-Box-Interacting Protein 1; MLF1 Interacting Protein; Centromere Protein Of 50 KDa; InterphaseCentromere Complex Protein 24; KLIP1; PBIP1; KSHV Latent NuclearAntigen-Interacting Protein 1; MLF1-Interacting Protein; CENP50; CENPU50; KSHVLatent Nuclear Antigen Interacting Protein 1; CENP-50; CENP-U; ICEN24.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSTRRKVKS AEKISTQRHE VIRTASSEL SEKPAESVTS KKTGPLSAQPSVEKENLAIE SQSKTQKKGK ISHDKRKKSR SKAIGSDTSD IVHIWCPEGM KTS DIKELNI VLPEFEKTHLEHQQRIESKV CKA AIATFYV NVKEQFIKML KESQMLTNLK RKN AKMISDI EK KRQRMIEV QDELLRLEPQ LKQLQTKYDE LKERKSSLRNAAYFLSNLQK LYQDYSDVQA QEPNVKETYD SSSLPALLFK ARTLLGAESH LRNINHQLEK LLDQG		
Formulation	CENPU protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.		

**Introduction**

Centromere Protein U, also known as CENPU is a specialized chromatin domain, present throughout the cell cycle. CENPU performs as a platform on which the transient assembly of the kinetochore takes place during mitosis. CENPU plays a major role in the correct PLK1 localization to the mitotic kinetochores. A scaffold protein is responsible for the first recruitment and maintenance of the kinetochore PLK1 population until its degradation. CENPU is also implicated in transcriptional repression.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

### Background

CENPU Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 295 amino acids (147-418a.a) and having a molecular mass of 33.7kDa.

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