

MLF1IP, 147-418a, Human, His tag, E.coli

Cat.NO.: TP02985

3th Edition

Synonyms:Centromere protein U, CENP50, CENPU, CENPU50, KLIP1, PBIP1

Description:MLF1IP, as known as centromere, is a specialized chromatin domain, present throughout the cell cycle that acts as a platform on which the transient assembly of the kinetochore occurs during mitosis. It plays an important role in the correct PLK1 localization to the mitotic kinetochores. It is a scaffold protein responsible for the initial recruitment and maintenance of the kinetochore PLK1 population until its degradation. It also involved in transcriptional repression. Recombinant human MLF1IP protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.4M Urea

Molecular Weight:33.7kDa (295aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSTRRKVKS AEKISTQRHEVIRTTASSESEKPAESVTSKKTGPLSAQPSVEKE
NLAIESQSKTQKKGKISHDKRKKSRSKAIGSDTSDIVHIWCPEGMKTS DIKELNIVLPEFEKTHLEHQQRIESKVCKAA
IATFYVNVKEQFIKMLKESQMLTNLKRKNAKMISDIEKKRQRMIEVQDELLRLEPQLKQLQTKYDELKERKSSLRNAA
YFLSNLKQLYQDYSDVQAQEPNVKETYDSSSLPALLFKARTLLGAESHLRNINHQLEKLLDQG

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.