

Recombinant Human CEP57 Protein, GST/His-tagged

Cat. No. CEP57-3207H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CEP57 protein, fused to GST-tagged at N-terminus and His-tagged at C-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a cytoplasmic protein called Translokin. This protein localizes to the centrosome and has a function in microtubular stabilization. The N-terminal half of this protein is required for its centrosome localization and for its multimerization, and the C-terminal half is required for nucleating, bundling and anchoring microtubules to the centrosomes. This protein specifically interacts with fibroblast growth factor 2 (FGF2), sorting nexin 6, Ran-binding protein M and the kinesins KIF3A and KIF3B, and thus mediates the nuclear translocation and mitogenic activity of the FGF2. It also interacts with cyclin D1 and controls nucleocytoplasmic distribution of the cyclin D1 in quiescent cells. This protein is crucial for maintaining correct chromosomal number during cell division. Mutations in this gene cause mosaic variegated aneuploidy syndrome, a rare autosomal recessive disorder. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.
Form	25 mM Tris, pH 8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	84.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name CEP57 centrosomal protein 57kDa [Homo sapiens]

Official Symbol CEP57

Synonyms MVA2; PIG8; TSP57

Gene ID 9702

mRNA Refseq NM_001243776

Protein Refseq NP_001230705

MIM 607951

UniProt ID Q86XR8

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