

Recombinant Human CEP57

Catalog No: #GP12758



Package Size: #GP12758-1 100ug

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Description

Product Name	Recombinant Human CEP57
Brief Description	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	centrosomal protein 57
Other Names	MVA2; PIG8; TSP57
Accession No.	Swissprot:Q86XR8Gene Accession:BC039711
Uniprot	Q86XR8
GeneID	9702;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a cytoplasmic protein called Transloklin. 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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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