

Recombinant Human CEP57 Protein, GST-Tagged

Cat. No. CEP57-1136H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CEP57 full-length ORF (NP_055494.2, 1 a.a. - 500 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Aug 2011]
Molecular Mass	80.63 kDa
AA Sequence	MAAASVSAASGSHLSNSFAEPSRSNGSMVRHSSSPYVVYPSDKPFLNSDLRRSPS

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KPTLAYPESNSRAIFSALKNLQDKIRRLERLRIQAEESVKTLRSRETIEYKKVLDEQIQE
 RENSKNEESKHNLQELTSQLLAAENKCNLLEKQLEYMRNMIKHAEMERTSVLEKQVS
 LERERQHDQTHVQSQLEKLDLLEQEYNKLTTMQALAEKKMQELEAKLHEEEQERKR
 MQAKAAELQTGLETNRLIFEDKATPCVNPARRIKKKKSKPPEKKSSRNYFGAQPBYR
 LCLGDMFPVAGKSTSPSHAVVANVQLVLHLMKQHSKALCNDRVINSIPLAKQVSSRG
 GKSKKLSVTPSSNGINEELSEVLQTLQDEFGQMSFDHQQLAKLIQESPTVELKDKL
 ECELEALVGRMEAKANQITKVRKYQAQLEKQKLEKQKKELKATKKTLDEERNSSSR
 SGITGTTNKKDFMKLRPGEKRRKNLQLLKDMQSIQNSLQSSSLCWDY

Applications

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

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

CEP57 centrosomal protein 57kDa [Homo sapiens]

Official Symbol

CEP57

Synonyms

CEP57; centrosomal protein 57kDa; centrosomal protein of 57 kDa; KIAA0092;
 Translokin; TSP57; translokin; FGF2-interacting protein; testis-specific protein 57;
 proliferation-inducing protein 8; MVA2; PIG8;

Gene ID

9702

mRNA Refseq

NM_001243776

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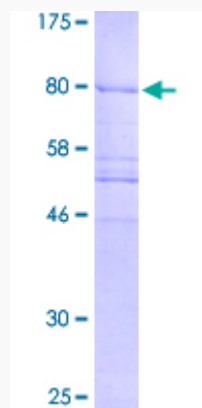
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Protein Refseq NP_001230705

MIM 607951

UniProt ID Q86XR8

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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