

Recombinant Full Length Human CEP290 Protein, GST-tagged

Cat. No. CEP290-3231HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Cep290 full-length ORF (AAH08641.1, 1 a.a. - 164 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	164 amino acids
Description	This gene encodes a protein with 13 putative coiled-coil domains, a region with homology to SMC chromosome segregation ATPases, six KID motifs, three tropomyosin homology domains and an ATP/GTP binding site motif A. The protein is localized to the centrosome and cilia and has sites for N-glycosylation, tyrosine sulfation, phosphorylation, N-myristoylation, and amidation. Mutations in this gene have been associated with Joubert syndrome and nephronophthisis and the presence of antibodies against this protein is associated with several forms of cancer. [provided by RefSeq, Jul 2008]
Molecular Mass	45.6 kDa
AA Sequence	MAIFKIAALQKVVDNSVSLSELELANKQYNELTAKYRDILQKDNMLVQRTSNLEHLEC ENISLKEQVESINKELEITKEKLHTIEQAWEQETKLGNESSMDKAKKSITNSDIVSISKK ITMLEMKELNERQRAEHCQKMYEHLRTSLKQMEERNFELETKFAEV
Applications	Enzyme-linked Immunoabsorbent Assay

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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 CEP290 centrosomal protein 290kDa [Homo sapiens]

Official Symbol CEP290

Synonyms CEP290; centrosomal protein 290kDa; centrosomal protein of 290 kDa; 3H11Ag; BBS14; cancer/testis antigen 87; CT87; FLJ13615; JBTS5; Joubert syndrome 5; KIAA0373; LCA10; Meckel syndrome; type 4; MKS4; nephrocystin 6; NPHP6; POC3; POC3 centriolar protein homolog (Chlamydomonas); rd16; SLSN6; nephrocystin-6; tumor antigen se2-2; Meckel syndrome, type 4; CTCL tumor antigen se2-2; prostate cancer antigen T21; POC3 centriolar protein homolog; Bardet-Biedl syndrome 14 protein; monoclonal 3H11 antigen; FLJ21979;

Gene ID 80184

mRNA Refseq NM_025114

Protein Refseq NP_079390

MIM 610142

UniProt ID O15078

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