

Recombinant Human CENPO, GST-tagged

Cat. No. CENPO-11101H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CENPO protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 1-300a.a.

Description This gene encodes a type II classical cadherin from the cadherin superfamily of integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. This particular cadherin is expressed specifically in the central nervous system and is putatively involved in synaptic adhesion, axon outgrowth and guidance.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	CENPO centromere protein O [Homo sapiens]
Official Symbol	CENPO
Synonyms	CENPO; centromere protein O; CENP O; MGC11266; centromeric protein O; interphase centromere complex protein 36; CENP-O; MCM21R; ICEN-36;
Gene ID	79172
mRNA Refseq	NM_001199803
Protein Refseq	NP_001186732
MIM	611504
UniProt ID	Q9BU64
Chromosome Location	2p23.3
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Replication, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem;

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