

# Recombinant Human POC1A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. POC1A-3963H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

POC1A MS Standard C13 and N15-labeled recombinant protein (NP\_056241) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

POC1 proteins contain an N-terminal WD40 domain and a C-terminal coiled coil domain and are part of centrosomes. They play an important role in basal body and cilia formation. This gene encodes one of the two POC1 proteins found in humans. Mutations in this gene result in short stature, onychodysplasia, facial dysmorphism, and hypotrichosis (SOFT) syndrome.

### Molecular Mass

45 kDa

### AA Sequence

MAAPCAEDPSLERHFKGRDAVTCVDFSINTKQLASGSMDSCLMVWHMKPQSRAY  
 RFTGHKDAVTCVNFSPSGHLLASGSRDKTVRIWVVPNVKGESTVFRAHTATVRSVHF  
 CSDGQSFVTASDDKTVKVVATHRQKFLFSLSQHINWVRCAKFSPDGRLIVSASDDK  
 TVKLWDKSSRECVHSYCEHGGFVTVDFHPSGTCIAAAGMDNTVKVWDVVRTHRL  
 QHYQLHSAAVNGLSFHPSGNYLITASSDSTLKILDLMEGRLLYTLHGHPATTVA  
 F SRTGEYFASGGSDEQVMVWKS NFDIVDHGEVTKVPRPPATLASSMGNLPEVDFPV  
 PPGRGRSVESVQSQPQEPVSPQTLTSTLEHIVGQLDVLTQTVSILEQRLTLTEDKL  
 KQCLNQQLIMQRATPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

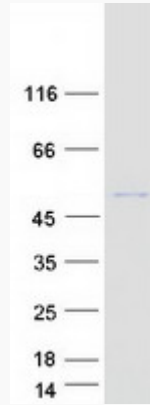
<b>Gene Name</b>	POC1A POC1 centriolar protein A [ Homo sapiens (human) ]
<b>Official Symbol</b>	POC1A
<b>Synonyms</b>	POC1A; POC1 centriolar protein homolog A (Chlamydomonas); WD repeat domain 51A, WDR51A; POC1 centriolar protein homolog A; DKFZP434C245; WD repeat domain 51A; WD repeat-containing protein 51A; PIX2; WDR51A; MGC131902; DKFZp434C245;
<b>Gene ID</b>	25886
<b>mRNA Refseq</b>	NM_015426
<b>Protein Refseq</b>	NP_056241
<b>MIM</b>	614783
<b>UniProt ID</b>	Q8NBT0

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**SDS-PAGE**



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