

Recombinant Human POLR2E Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. POLR2E-2514H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	POLR2E MS Standard C13 and N15-labeled recombinant protein (NP_002686) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes the fifth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit is shared by the other two DNA-directed RNA polymerases and is present in two-fold molar excess over the other polymerase subunits. An interaction between this subunit and a hepatitis virus transactivating protein has been demonstrated, suggesting that interaction between transcriptional activators and the polymerase can occur through this subunit. A pseudogene is located on chromosome 11. Three transcript variants encoding two different isoforms have been found for this gene.
Molecular Mass	24.6 kDa
AA Sequence	MDDEEETYRLWKIRKTIMQLCHDRGYLVTQDELDQTLEEFKAQFGDKPSEGRPRRT DLTVLVAHNDDPTDQMFVFFPEEPKVGIKTIKVYCQRMQEENITRALIVVQQGMTPS AKQSLVDMAPKYILEQFLQQELLINITEHELVPHEHVMTKEEVTELLARYKLRENQLP RIQAGDPVARYFGIKRGQVVKIIRPSETAGRYITYRLVQTRTRPLEQKLISEEDLAAND ILDYKDDDDKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name	POLR2E RNA polymerase II, I and III subunit E [Homo sapiens (human)]
Official Symbol	POLR2E
Synonyms	POLR2E; polymerase (RNA) II (DNA directed) polypeptide E, 25kDa; polymerase (RNA) II (DNA directed) polypeptide E (25kD); DNA-directed RNA polymerases I, II, and III subunit RPABC1; DNA directed RNA polymerase II 23 kda polypeptide; hRPB25; hsRPB5; RPABC1; RPB5; XAP4; RPB5 homolog; DNA-directed RNA polymerase II subunit E; RNA polymerases I, II, and III subunit ABC1; DNA-directed RNA polymerase II 23 kDa polypeptide;
Gene ID	5434
mRNA Refseq	NM_002695
Protein Refseq	NP_002686
MIM	180664

 Tel: 1-631-559-9269 1-516-512-3133

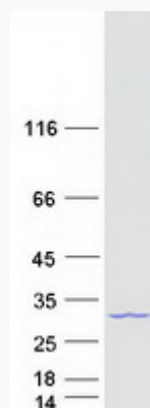
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

P19388

SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA