

Recombinant Human POLR2J2, His-tagged

Cat. No. POLR2J2-7252H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human POLR2J2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
description	POLR2J2 is a member of the RNA polymerase II subunit 11 gene family, which includes three genes in a cluster on chromosome 7q22.1 and a pseudogene on chromosome 7p13. The founding member of family, DNA directed RNA polymerase II polypeptide J, has been shown to encode a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This locus produces multiple, alternatively spliced transcripts that potentially express isoforms with distinct C-termini compared to DNA directed RNA polymerase II polypeptide J. Most or all variants are spliced to include additional non-coding exons at the 3' end which makes them candidates for nonsense-mediated decay (NMD). Consequently, it is not known if this locus expresses a protein or proteins in vivo.
source	E. coli
species	Human
tag	His
form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM

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	DTT, 250mM Imidazole
molecular mass	15.5 kDa (138aa)
aa sequence	MGSSHHHHH SSGLVPRGSH MGSMNAPP AF ESLLFEGEK ITINKDTKVP KACLFTINKE DHTLGNIKS QLLKDPQVLF AGYKVPHPLEHKIIRVQTT PDYSPQEAFT NAITDLISEL SLLEERFRTC LLPLRLLP
purity	>95% by SDS - PAGE
applications	SDS-PAGE
storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
concentration	0.25 mg/ml

GENE INFORMATION

gene name	POLR2J2 polymerase (RNA) II (DNA directed) polypeptide J2 [Homo sapiens]
official symbol	POLR2J2
synonyms	POLR2J2; polymerase (RNA) II (DNA directed) polypeptide J2; DNA-directed RNA polymerase II subunit RPB11-b1; RPB11b1; RNA polymerase II subunit B11-b1; DNA-directed RNA polymerase II subunit J2; DNA directed RNA polymerase II polypeptide J-related; HRPB11B; MGC54043; MGC105050;
Gene ID	246721
mrna refseq	NM_032959

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protein refseq	NP_116581
mim	609881
uniprot id	Q9GZM3
chromosome location	7q22.1
pathway	Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Metabolic pathways, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, conserved biosystem;
function	DNA binding; DNA-directed RNA polymerase activity;