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Product datasheet for PH324755

POLR2J2 (NM_032959) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	POLR2J2 MS Standard C13 and N15-labeled recombinant protein (NP_116581)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224755
Predicted MW:	12.9 kDa
Protein Sequence:	>RC224755 representing NM_032959 Red=Cloning site Green=Tags(s) MNAPPAFESFLLFEGEKITINKDTKVPNACLFTMNKEDHTLGNIIKSQLLKDPQVLFAGYKVPHPLEHKI IIRVQTTPDYSPQEAFTNAITDLISELSLLEERFRTCLLPLRLLP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_116581
RefSeq Size:	1727
RefSeq ORF:	345
Synonyms:	HRPB11B; POLR2J3; RPB11b1; RPB11b2
Locus ID:	246721
UniProt ID:	Q9GZM3
Cytogenetics:	7q22.1

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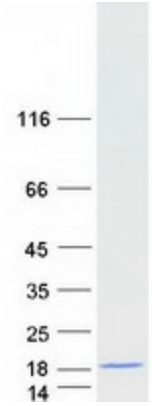
Summary: This gene is a member of the RNA polymerase II subunit 11 gene family, which includes three genes in a cluster on chromosome 7q22.1 and a pseudogene on chromosome 7p13. The founding member of this family, DNA directed RNA polymerase II polypeptide J, has been shown to encode a subunit of RNA 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. [provided by RefSeq, Jul 2008]

Protein Families: Transcription Factors

Protein Pathways: Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

Product images:



Coomassie blue staining of purified POLR2J2 protein (Cat# [TP324755]). The protein was produced from HEK293T cells transfected with POLR2J2 cDNA clone (Cat# [RC224755]) using MegaTran 2.0 (Cat# [TT210002]).