

Recombinant Human CPSF2 293 Cell Lysate

Cat. No. CPSF2-7305HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for cleavage and polyadenylation specific factor 2, 100kDa (CPSF2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

CPSF2 cleavage and polyadenylation specific factor 2, 100kDa [Homo sapiens]

Official Symbol

CPSF2

Synonyms

CPSF2; cleavage and polyadenylation specific factor 2, 100kDa; cleavage and polyadenylation specific factor 2, 100kD subunit; cleavage and polyadenylation specificity factor subunit 2; KIAA1367; CPSF 100kDa subunit; CPSF 100 kDa subunit; cleavage and polyadenylation specificity factor 100 kDa subunit; CPSF100;

Gene ID

53981

mRNA Refseq

NM_017437

Protein Refseq

NP_059133

MIM

606028

UniProt ID

Q9P2I0

Chromosome Location

14q31.1

Pathway

Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; Processing of Capped

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Intronless Pre-mRNA, organism-specific biosystem; Processing of Intronless Pre-mRNAs, organism-specific biosystem; RNA Polymerase II Transcription, organism-specific biosystem; RNA Polymerase II Transcription Termination, organism-specific biosystem;

Function

RNA binding; hydrolase activity; protein binding;

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