

Recombinant Human GRINL1A 293 Cell Lysate

Cat. No. POLR2M-5742HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A (GRINL1A), transcript variant 1 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	POLR2M polymerase (RNA) II (DNA directed) polypeptide M [Homo sapiens]
Official Symbol	POLR2M
Synonyms	GCOM1; Gdown; Gdown1; GRINL1A; protein GRINL1A; protein GRINL1A, isoforms 4/5; GRINL1A downstream protein Gdown4; DNA-directed RNA polymerase II subunit M, isoforms 4/5; glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A
Gene ID	81488
mRNA Refseq	NM_015532
Protein Refseq	NP_056347
MIM	606485
UniProt ID	P0CAP1
Chromosome Location	15q21.3
Function	DNA-directed RNA polymerase activity

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