Recombinant Human HYAL1 293 Cell Lysate

Cat. No. HYAL1-5325HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for hyaluronoglucosaminidase 1 (HYAL1), 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	HYAL1 hyaluronoglucosaminidase 1 [Homo sapiens]
Official Symbol	HYAL1
Synonyms	HYAL1; hyaluronoglucosaminidase 1; hyaluronidase-1; FUS2; HYAL 1; LUCA1; NAT6; luCa-1; hyaluronidase 1; plasma hyaluronidase; tumor suppressor LUCA-1; lung carcinoma protein 1; hyaluronoglucosaminidase-1; HYAL-1; MGC45987;
Gene ID	3373
mRNA Refseq	NM_007312
Protein Refseq	NP_009296
MIM	607071
UniProt ID	Q12794
Chromosome Location	3p21.3-p21.2
Pathway	Chondroitin sulfate degradation, organism-specific biosystem; Chondroitin sulfate degradation, conserved biosystem; Dermatan sulfate degradation, organism-specific biosystem; Dermatan sulfate degradation, conserved biosystem; Glycosaminoglycan degradation, organism-specific biosystem; Glycosaminoglycan degradation,

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	conserved biosystem; Lysosome, organism-specific biosystem;
Function	hyaluronan synthase activity; hyaluronon glucosaminidase activity; NOT hyaluronon glucosaminidase activity; hydrolase activity, acting on glycosyl bonds; transcription factor binding; NOT viral receptor activity;

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