

Recombinant Human HYAL2 293 Cell Lysate

Cat. No. HYAL2-5323HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for hyaluronoglucosaminidase 2 (HYAL2), transcript variant 2 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

HYAL2 hyaluronoglucosaminidase 2 [Homo sapiens]

Official Symbol

HYAL2

Synonyms

HYAL2; hyaluronoglucosaminidase 2; hyaluronidase-2; hyaluronidase 2; LuCa 2; LUCA2; lysosomal hyaluronidase; PH 20 homolog; hyal-2; PH20 homolog; PH-20 homolog; lung carcinoma protein 2; hyaluronoglucosaminidase-2;

Gene ID

8692

mRNA Refseq

NM_003773

Protein Refseq

NP_003764

MIM

603551

UniProt ID

Q12891

Chromosome Location

3p21.3

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; Metabolic pathways, organism-specific biosystem;

Function

enzyme binding; hyaluronic acid binding; hyaluronoglucuronidase activity; hyaluronoglucosaminidase activity; NOT hyaluronoglucosaminidase activity; hydrolase activity, acting on glycosyl bonds; protein binding; receptor signaling protein tyrosine kinase inhibitor activity; receptor tyrosine kinase binding; transforming growth factor beta binding; viral receptor activity;

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