

Product datasheet for PH315525

OriGene Technologies, Inc.

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HYAL1 (NM_007312) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: HYAL1 MS Standard C13 and N15-labeled recombinant protein (NP_009296)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

RC215525

or AA Sequence: Predicted MW:

48.2 kDa

Protein Sequence: >RC215525 representing NM_007312

Red=Cloning site Green=Tags(s)

MAAHLLPICALFLTLLDMAQGFRGPLLPNRPFTTVWNANTQWCLERHGVDVDVSVFDVVANPGQTFRGPD MTIFYSSQLGTYPYYTPTGEPVFGGLPQNASLIAHLARTFQDILAAIPAPDFSGLAVIDWEAWRPRWAFN WDTKDIYRQRSRALVQAQHPDWPAPQVEAVAQDQFQGAARAWMAGTLQLGRALRPRGLWGFYGFPDCYNY DFLSPNYTGQCPSGIRAQNDQLGWLWGQSRALYPSIYMPAVLEGTGKSQMYVQHRVAEAFRVAVAAGDPN LPVLPYVQIFYDTTNHFLPLDELEHSLGESAAQGAAGVVLWVSWENTRTKESCQAIKEYMDTTLGPFILN VTSGALLCSQALCSGHGRCVRRTSHPKALLLLNPASFSIQLTPGGGPLSLRGALSLEDQAQMAVEFKCRC

YPGWQAPWCERKSMW

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 009296

RefSeq Size: 2518 RefSeq ORF: 1305

Synonyms: HYAL-1; LUCA1; MGC45987; NAT6





Locus ID: 3373

UniProt ID: Q12794

Cytogenetics: 3p21.31

Summary: This gene encodes a lysosomal hyaluronidase. Hyaluronidases intracellularly degrade

hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan is thought to be involved in cell proliferation, migration and differentiation. This enzyme is active at an acidic pH and is the major hyaluronidase in plasma. Mutations in this gene are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency. The gene is one

of several related genes in a region of chromosome 3p21.3 associated with tumor

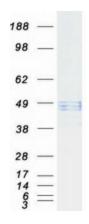
suppression. Multiple transcript variants encoding different isoforms have been found for

this gene. [provided by RefSeq, Jul 2008]

Protein Families: Secreted Protein

Protein Pathways: Glycosaminoglycan degradation, Lysosome, Metabolic pathways

Product images:



Coomassie blue staining of purified HYAL1 protein (Cat# [TP315525]). The protein was produced from HEK293T cells transfected with HYAL1 cDNA clone (Cat# [RC215525]) using MegaTran 2.0 (Cat# [TT210002]).