Human CellExp™ Hyaluronidase 1/HYAL1, Human Recombinant

CATALOG NO:

P1559-10	10 µg
P1559-50	50 µg

ALTERNATE NAMES: Hyaluronidase-1, Hyal-1,Hyaluronoglucosaminidase-1, Lung carcinoma protein 1, LuCa-1, HYAL1, Hyaluronidase 1, Hyaluronoglucosaminidase 1, Hyaluronoglucosaminidase1, LUCA 1,MPS9, NAT6, Plasma hyaluronidase, Tumor suppressor LUCA 1

MOL. WT. 46.9 kDa (His-tag at C-terminus)

SOURCE: HEK 293 cells

PURITY: >90% SDS - PAGE

ENDOTOXIN: < 1 EU per 1ug of protein (determined by LAL method)

FORM: Liquid

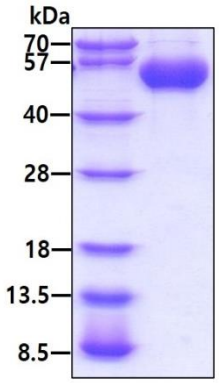
FORMULATION: In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol.

CONCENTRATION: 0.25 mg/ml (determined by Absorbance at 280nm)

STORAGE CONDITIONS: Store at 4°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: HYAL1, also known as Hyaluronidase-1, is a member of the endolytic glycoside hydrolase family. Human hyaluronidases (HYALs) are a group of five endo¬β¬N¬acetyl¬hexosaminidases that include HYAL1, HYAL2, HYAL3, HYAL4, and SPAM1 (PH20). HYAL1 preferentially degrades hyaluronic acid present in the extracellular matrix of somatic tissues. This protein is active at an acidic pH and is the major hyaluronidase in plasma. Defects in HYAL1 are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency. It is implicated in several types of cancers, likely due to the angiogenic effects of HYAL1-cleaved hyaluronan fragments. Recombinant human HYAL1, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.

AMINO ACID SEQUENCE: 420 aa (22-435 aa)



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

RELATED PRODUCTS:

- Human CellExp™ HGF, Human Recombinant (6456)
- ANG-2, Human Recombinant (7116)
- Follistatin, mouse recombinant (4718)
- ANG-1, Human Recombinant (7115)

FOR RESEARCH USE ONLY! Not to be used on humans.