

Active Recombinant Human PH20 protein

Cat. No. PH20-1889H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PH20 protein(Leu 36 - Ser 490) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Leu 36 - Ser 490
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	The activity of PH20 is measured by its ability to hydrolyze HA in turbidimetric assay (45 minute assay). The specific activity is >55000 U/mg. (Unit Definition: One unit of Hyaluronidase activity will cause a change in A600 of 0.330 per minute at pH5.35 at 37 °C in a 2.0 mL reaction mixture).
Molecular Mass	This protein carries no tag. The protein has a calculated MW of 52.6 kDa. The protein migrates as 65-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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