

## Recombinant Human HYAL4, GST-tagged

Cat. No. HYAL4-14021H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human HYAL4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 29-460a.a.

**Description** This gene encodes a protein which is similar in structure to hyaluronidases. 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. However, this protein has not yet been shown to have hyaluronidase activity.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

**Gene Name** HYAL4 hyaluronoglucosaminidase 4 [ Homo sapiens ]

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Official Symbol</b>	HYAL4
<b>Synonyms</b>	HYAL4; hyaluronoglucosaminidase 4; hyaluronidase-4; hyaluronidase 4; hyal-4; hyaluronoglucosaminidase-4; chondroitin sulfate hydrolase; CSHY;
<b>Gene ID</b>	<a href="#">23553</a>
<b>mRNA Refseq</b>	<a href="#">NM_012269</a>
<b>Protein Refseq</b>	<a href="#">NP_036401</a>
<b>MIM</b>	<a href="#">604510</a>
<b>UniProt ID</b>	<a href="#">Q2M3T9</a>
<b>Chromosome Location</b>	7q31.3
<b>Pathway</b>	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, conserved biosystem; Metabolic pathways, organism-specific biosystem;
<b>Function</b>	hyalurononglucosaminidase activity; hydrolase activity, acting on glycosyl bonds;

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