

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 ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	HYAL4 hyaluronoglucosaminidase 4 [Homo sapiens]
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Official Symbol	HYAL4
Synonyms	HYAL4; hyaluronoglucosaminidase 4; hyaluronidase-4; hyaluronidase 4; hyal-4; hyaluronoglucosaminidase-4; chondroitin sulfate hydrolase; CSHY;
Gene ID	23553
mRNA Refseq	NM_012269
Protein Refseq	NP_036401
MIM	604510
UniProt ID	Q2M3T9
Chromosome Location	7q31.3
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, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	hyaluronoglucosaminidase activity; hydrolase activity, acting on glycosyl bonds;