

## Hyaluronan Lyase Protein, *S. agActiae* (His)

<b>Cat. No.:</b>	HY-P79168
<b>Synonyms:</b>	Hyaluronidase; SAG1197
<b>Species:</b>	Others
<b>Source:</b>	<i>E. coli</i>
<b>Accession:</b>	NP_688206 (S259-I1072)
<b>Gene ID:</b>	3685697
<b>Molecular Weight:</b>	Approximately 85 kDa

### PROPERTIES

#### AA Sequence

SEHPQPVT TQ	IEKSVNTALN	KNYVFNKADY	QYTLTNP SLG
KIVGGILY PN	ATGSTTVKIS	DKSGKIIKEV	PLSVTASTED
NFTKLLDKWN	DVTIGNHVYD	TNDSNMQKLN	QKLDETNAKN
IEA I K L D S N R	TFLWKDLDNL	NNSAQLTATY	RRLEDLAKQI
TNPHSTIYKN	EKAIRTVKES	LAWLHQNFYN	VNKDIEGSAN
WWD FE I G V P R	SITGTLALMY	NYFTDAEIKT	YTDPIEHFVP
DAGFFRKT LV	NPFKALGGNL	VDMGRVKIIE	GLLRKDNTII
EKTSHSLKNL	FTTATKAEGF	YADGSYIDHT	NVAYTGAYGN
VLIDGLTQLL	PIIQETDYKI	SNQE LDMVYK	WINQSFLPLI
VKGE LMDMSR	GRSISREAA S	SHAAAVEVLR	GFLRLANMSN
EERNLDL KST	IKTIITSNKF	YNVFNNL KSY	SDIANMNKLL
NDSTVATKPL	KSNLSTFNSM	DRLAYYNAEK	DFGFALSLHS
KRTLNYEGMN	DENTRGWYTG	DGMFYLYNSD	QSHYSNHFWP
TVNPKMAGT	TEKDAKREDT	TKDFMSKHSK	DAKEKTGQVT
GASDFVGSVK	LNDHFALAA M	DFTNWDRTL T	AQKGWVILND
KIVFLGSNIK	NTNGIGNVST	TIDQRKDDSK	TPYTTYVNGK
TVDL KQASSQ	QFTDTKSVFL	ESKEPGRNIG	YIFFKNSTID
IERKEQTGTW	NSINRTSKNT	SIVSNPFITI	SQKHDNKGDS
YDYMMV PNI D	RTSFDKLAN S	KEVELLENS S	KQQVIYDKNS
QTWAVIKHDN	QESLINNQFK	MNKAGLYLVQ	KVGN DYQNVY
YQPQSM TKT D	QLA I		

#### Biological Activity

Measured by its ability to cleave the native substrate Hyaluronan. The specific activity is  $2.4 \times 10^5$  pmol/min/ $\mu$ g, as measured under the described conditions.

#### Appearance

Solution.

#### Formulation

Supplied as a 0.2  $\mu$ m filtered solution of 50 mM Tris-HCL, 300 mM NaCL, pH 7.4.

#### Endotoxin Level

<1 EU/ $\mu$ g, determined by LAL method.

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Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

**Caution: Product has not been fully validated for medical applications. For research use only.**

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