



HYALURONATE LYASE from a soil prokaryote (Lot 30901c)

Recombinant

09/15

E-HYLSP

EC 4.2.2.1 hyaluronate lyase

CAZy: PL Family 8

PROPERTIES

1. ELECTROPHORETIC PURITY:

- Single band on SDS-gel electrophoresis (MW ~ 82,914)
- Broad diffuse band on isoelectric focusing (pI ~ 6.5).

2. SPECIFIC ACTIVITY AND LEVEL OF OTHER ACTIVITIES:

83 U/mg protein (on Hyaluronic acid) at pH 4.2 and 25°C.

***One Unit** of hyaluronate lyase activity is defined as the amount of enzyme required to release one μ mole of 4,5-unsaturated product per minute from hyaluronic acid (0.58 mM) in the presence of calcium chloride (0.1mM) in sodium succinate buffer (20 mM) pH 4.2 and 25°C, monitored at 232 nm.

3. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 4.2 and up to 25°C.

4. STORAGE CONDITIONS:

The enzyme is supplied as an ammonium sulphate suspension in 0.02%(w/v) sodium and should be stored at 4°C. For assay, this enzyme should be diluted in sodium succinate buffer (20 mM) pH 4.2 containing 0.5 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.**