



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet Native Human Neuron Specific Enolase

Catalog No.
DS-01-0325

Species
Human

Preparation

Ion exchange chromatography and gel filtration.

Formulation

Product Type: Purified Protein

Product Form: Purified enzyme from human brain - liquid

Buffer Solution: TRIS buffered saline pH 5.1

Approx. Protein Concentrations: Total protein concentration 0.5 mg/ml

Purity: SDS PAGE: >95%

Preservative Stabilizers: See Buffer solution.

Activity

50 μ mol/min mg at 25°C determined in 45 mM Imidasole, pH 6.8, 45 mM KCl, 1.33 mM Mg_2SO_4 , 1 mM 2-PG.

Description

Neuron specific enolase (NSE) is a glycolytic enzyme that is expressed in neuronal tissue and is released as a result of damage to neural tissue. An increase in serum levels of NSE has been found in patients with tumours such as neuroblastoma.

Storage

Store at -20°C only.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 12 months from date of dispatch.

Reference

1. Hullin, D. A. *et al.* (1980) Purification, radioimmunoassay, and distribution of human brain 14-3-2 protein (nervous-system specific enolase) in human tissues. *Biochim. Biophys. Acta*, 628: 98-108.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Table Summary of protein applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			
Western Blotting			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined.

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