

Nestin/NES Protein, Human, Recombinant (His)

General Information

Synonyms:	Nestin;NES
Protein Construction:	1321-1569 aa
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	P48681
Molecular Weight:	27.8 kDa (predicted)
AA Sequence:	PPPQGETGKEGWDPVLAASEGLEAPPSEKEEGEEGEEECGRDSDLSEEFEDLGTEAPFLPGVPGEVAEPLGQV PQLLLDPAAWDRDGEDSGFADEEESGEEGEEEDQEEGREPGAGRWGPGSSVGSLSLQALSSSQRGEFLESDSVS VSWPDDSLRGAVAGAPKTALETESQDSAEPGSEEEEDPVSLEREDKVPGLPEIPSGMEDAGPGADIIGVNG QGNPLEGKSQHVNGGVMNGLEQSEEVGQGMPL

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play a role in the trafficking and distribution of IF proteins and other cellular factors to daughter cells during progenitor cell division. Required for survival, renewal and mitogen-stimulated proliferation of neural progenitor cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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