

Recombinant human Nestin protein

Catalog No: #AP72701



Package Size: #AP72701-1 20ug #AP72701-2 100ug #AP72701-3 1mg

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Description

Product Name	Recombinant human Nestin protein
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1321-1569aaSequence Info:Partial
Accession No.	P48681
Uniprot	P48681
GeneID	10763;
Calculated MW	27.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	PPPQGETGKEGWDPVLAASEGLEAPPSEKEEGEGEEECGRDSDLSEEFEDLGTEAPFLPGVPGEVAEPLG QVPQLLLDPAAWDRDGEDSGFADEEESGEEGEDQEEGREPGAGRWGPGSSVGSLLQALSSSQRGFLESD SVSVSVPWDDSLRGAVAGAPKTALETESQDSAEPGSEEEEDPVSLEREDKVPGLPEIPSGMEDAGPGADII GVNGQGNLEGKSQHVNGGVMNGLEQSEEVGQGMPL
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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 .

References

Characterization of the human nestin gene reveals a close evolutionary relationship to neurofilaments.Dahlstrand J., McKay R.D.G., Zimmerman L.B., Lendahl U.J. Cell Sci. 103:589-597(1992)Research Topic:Neuroscience

Note: This product is for in vitro research use only