

Recombinant Human NEK7, Active

Cat. No. NEK7-661H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	E.coli
Description	Crystallin mu, also known as CRYM, is a member of the crystallin protein family. Crystallins are separated into two classes, taxon-specific and ubiquitous. This gene encodes a taxon-specific crystallin protein. The human CRYM gene maps to chromosome 16p13.11, and encodes a protein that is expressed in neural tissue, muscle, and kidney. Unlike other crystallins, CRYM does not perform a structural role in lens tissue, but rather it binds NADPH and thyroid hormone, which indicates that it may have other regulatory or developmental functions.
Biochem/physiol Actions	Nek7 is a member of the NIMA (never in mitosis, gene A) family of serine/threonine kinases. During early embryogenesis, Nek7 is expressed in the site of decidual reaction while later in embryogenesis, it is almost exclusively restricted to the nervous system in the dorsal thalamus.
Mol Wt	protein apparent mol wt ~63 kDa.
Assay	≥85% (SDS-PAGE).
Form	buffered aqueous glycerol solution.

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Storage Temp -70°C.

GENE INFORMATION

Gene Name NEK7 NIMA (never in mitosis gene a)-related kinase 7 [Homo sapiens]

Synonyms NEK7; NIMA (never in mitosis gene a)-related kinase 7; NIMA-related kinase 7; EC 2.7.11.1;serine/threonine-protein kinase Nek7; nimA-related protein kinase 7; never in mitosis A-related kinase 7

Gene ID 140609

mRNA Refseq NM_133494

Protein Refseq NP_598001

MIM 606848

UniProt ID Q8TDX7

Chromosome Location 1q31.3

Function ATP binding; magnesium ion binding; nucleotide binding; protein phosphatase binding; protein serine/threonine kinase activity; transferase activity; protein serine/threonine kinase activity

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