NEK7 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	NEK7, Lysate
Full Product Name	Human NEK7 Protein Lysate
Product Gene Name	NEK7 lysate
Product Synonym Names	NEK7; NIMA-related kinase 7; OTTHUMP00000033680; NIMA (never in mitosis gene a)-related kinase 7
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	37 kDa (326aa) confirmed by MALDI-TOF
OMIM	606848
3D Structure	ModBase 3D Structure for Q8TDX7
Related Product Information for NEK7 lysate	Human NEK7 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of NEK7 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NEK7 purchase	MBS8415942 is a lysate targeting NEK7. Also known as Human NEK7 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NEK7. It may not necessarily be applicable to this product.

NCBI GI #	19424132
NCBI GeneID	140609
NCBI Accession #	NP_598001
UniProt Primary Accession #	Q8TDX7
UniProt Secondary Accession #	A6NGT8
UniProt Related Accession #	Q8TDX7
GenBank Nucleotide #	NM_133494
NCBI Official Full Name	serine/threonine-protein kinase Nek7
NCBI Official Synonym Full Names	NIMA related kinase 7
NCBI Official Symbol	NEK7
UniProt Protein Name	Serine/threonine-protein kinase Nek7
UniProt Synonym Protein Names	Never in mitosis A-related kinase 7
Protein Family	Serine/threonine-protein kinase

UniProt Gene Name	NEK7
UniProt Synonym Gene Names	NimA-related protein kinase 7
UniProt Entry Name	NEK7_HUMAN
NCBI Protein Information	serine/threonine-protein kinase Nek7
NCBI Summary for NEK7	NIMA-related kinases share high amino acid sequence identity with the gene product of the Aspergillus nidulans 'never in mitosis A' gene, which controls initiation of mitosis.[supplied by OMIM, Jul 2002]
UniProt Comments for NEK7	NEK7: a protein kinase of the NEK family. Phosphorylates and activates p70S6 kinase. Protein type: Protein kinase, Ser/Thr (non-receptor); Kinase, protein; Protein kinase, Other; EC 2.7.11.1; Other group; NEK family Chromosomal Location of Human Ortholog: 1q31.3 Cellular Component: nucleoplasm; spindle pole; microtubule; cytoplasm; microtubule organizing center Molecular Function: protein serine/threonine kinase activity; metal ion binding; ATP binding Biological Process: regulation of mitotic cell cycle; cytokinesis; regulation of signal transduction; spindle assembly; protein amino acid phosphorylation
Research Articles on NEK7	**1.** Results demonstrate that NEK7 is involved in the timely regulation of G1 progression, S-phase entry, and procentriole formation.
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