

NEK7 active protein

Recombinant NEK7 protein

CATALOG # AAA60323	HOST Baculovirus
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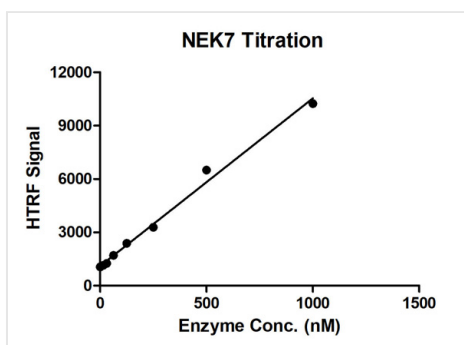
PRODUCT SYNONYMS

NEK7; Recombinant NEK7 protein; NIMA Related Kinase 7; NEK7 active protein

PRODUCT SPECIFICATIONS

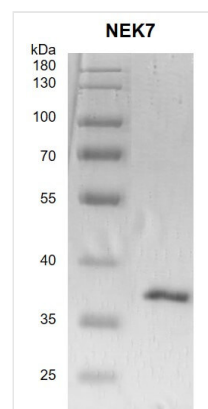
Host	Baculovirus
Purity/Purification	>=95%
Form/Format	Recombinant NEK7 protein is supplied in 25 mM HEPES-NaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Protein Details	Recombinant NEK7 protein was expressed in baculovirus expression system as the full length protein (accession number NP_598001.1) with a N-terminal DYKDDDDK tag. The molecular weight of the protein is 35.8 kDa.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

IMAGES



Bioactivity

HTRF assay for NEK7 activity 1 uM STK S3 substrate was incubated with different concentrations of NEK7 protein in a 10 ul reaction system containing 1xEnzymatic Buffer, 5 mM MgCl₂, 1 mM DTT, 100 uM ATP for 1 hour. The 10 ul detection reagents containing anti-STK antibody (1:2) and SA-XL665 (1:100) diluted with 1x Detection Buffer were added and incubated with the reactions for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



SDS-PAGE

Recombinant NEK7 protein 10% SDS-PAGE Coomassie staining MW: 35.8 kDa Purity: >= 95%

ADDITIONAL INFORMATION

Related Product Information for NEK7 active protein

NEK7 (NIMA Related Kinase 7) plays an important role in mitotic cell cycle progression and is required for microtubule nucleation activity of the centrosome, robust mitotic spindle formation and cytokinesis. NEK7 Phosphorylates RPS6KB1 (By similarity) and phosphorylates EML4 at 'Ser-146' and promotes its dissociation from microtubules during mitosis which is required for efficient chromosome congression.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/baculovirus-active-protein/nek7/60323>