

Datasheet for ABIN7560155
NEK8 Protein (AA 1-698) (His tag)



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Overview

Quantity:	1 mg
Target:	NEK8
Protein Characteristics:	AA 1-698
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEK8 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Nek8 Protein expressed in mammalian cells.
Sequence:	<p>MEKYERIRVV GRGAFGIVHL CLRKADQLV ILKQIPVEQM TKEERQAAQN ECQVLKLLNH</p> <p>PNVIEYYENF LEDKALMIAM EYAPGGTLAE FIQKRCNSLL EEETILHFFV QILLALHHVH</p> <p>THLILHRDLK TQNILLDKHR MVMKIGDFGI SKILSSKSKA YTVVGTTCYI SPELCEGKPY</p> <p>NQKSDIWALG CVLYELASLK RAFEAANLPA LVLKIMSGTF APISDRYSPE LRQLVLSLLS</p> <p>LEPAQRPPLS HIMAQPLCIR ALLNIHTDVG SVRMRRAEKS LTPGPPIASG STGSRATSAR</p> <p>CRGVPRGPVR PAIPPLSSV YAWGGGLSSP LRLPMLNTEV VQVAAGRTQK AGVTRSGRLI</p> <p>LWEAPPLGAG GGTLLPGAVE LPQPQFVS RF LEGQSGVTIK HVACGDLFTA CLTDRGIIMT</p> <p>FGSGSNGCLG HGNLTDISQP TIVEALLGYE MVQVACGASH VLALSTDGEL FAWGRGDGGR</p> <p>LGLGTRESHN CPQQVPVAPG QEAQRVVCIGI DSSMILTSPG RVLACGSNRF NKLGLDHLST</p> <p>DEEVPYQQV EEALSFTPLG SAPLDQEPLL CVDLGTASHA AITASGDCYT FGSNQHGQLG</p> <p>TSSRRVSRAP CRVQGLEGIK MVMVACGDAF TVAVGAEGEV YSWGKGTRGR LGRRDEDAGL</p>

PRPVQLDETH PYMVTSVSCC HGNTLLAVRS VTDEPVPP **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	NEK8
Alternative Name:	Nek8 (NEK8 Products)
Background:	Serine/threonine-protein kinase Nek8 (EC 2.7.11.1) (Never in mitosis A-related kinase 8) (NimA-related protein kinase 8),FUNCTION: Required for renal tubular integrity. May regulate local cytoskeletal structure in kidney tubule epithelial cells. May regulate ciliary biogenesis through targeting of proteins to the cilia. Plays a role in organogenesis and is involved in the regulation of the Hippo signaling pathway. {ECO:0000269 PubMed:18199800}.
Molecular Weight:	75.3 kDa
UniProt:	Q91ZR4

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months