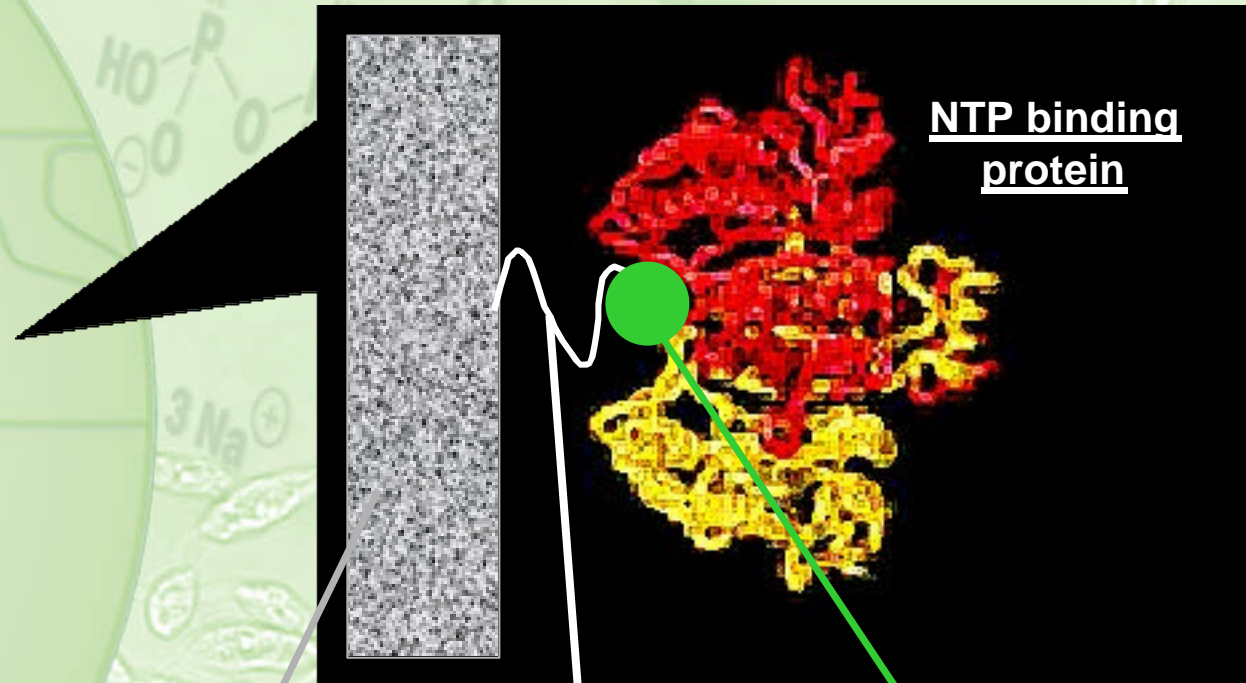
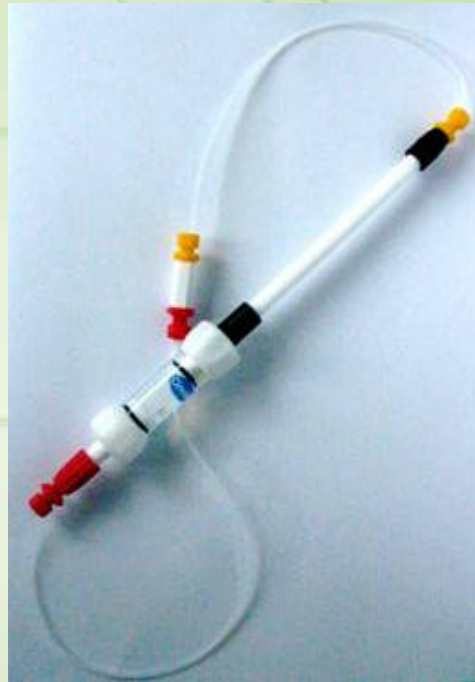


Immobilized nucleotides for affinity chromatography

One step purification of nucleotide binding proteins



Affinity column

Matrix
Sephacrose® 4B or
Toyopearl AF-650M

Linker
Several types
and lengths
available

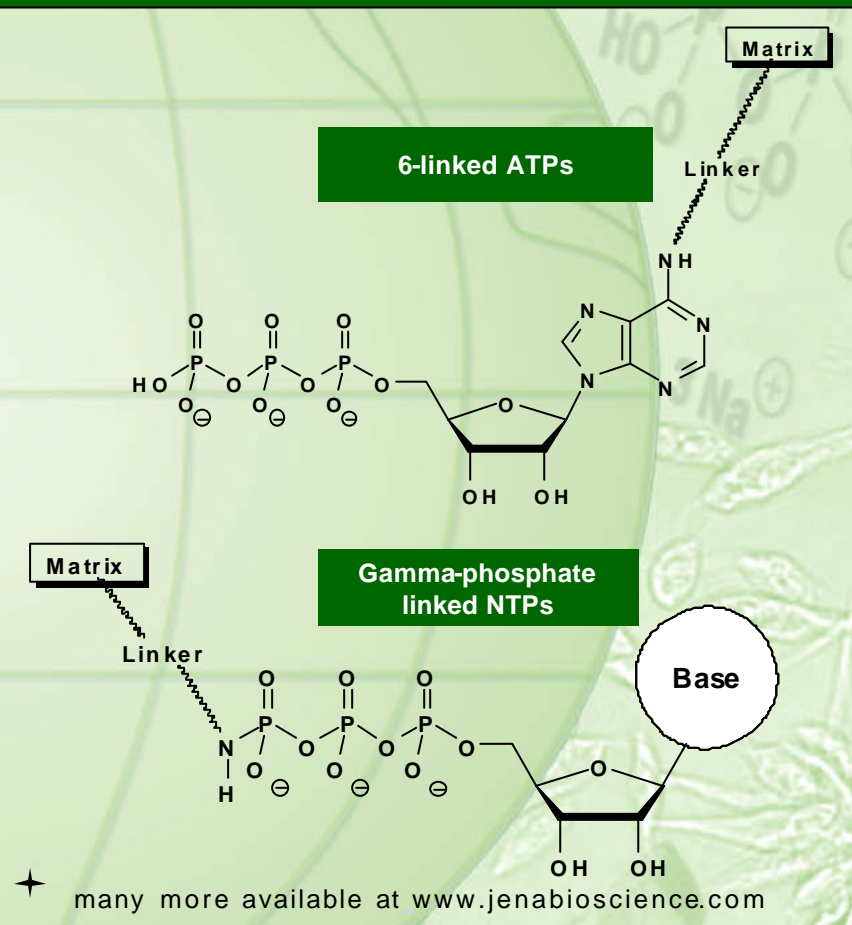
Nucleotide
Immobilized at different
positions for optimal fit
in nucleotide binding
pocket

Protein Image: Antony M. Dean, University of Minnesota:
www.cbs.umn.edu/labs/deanlab/

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Tailor-made affinity chromatography from Jena Bioscience

Immobilized ligands (selection) ...



...for your research

Immobilized nucleotides provide a convenient and rapid one-step purification procedure for a large number of proteins such as kinases, GTPases, chaperones, motor proteins, and others.

Jena Bioscience affinity chromatography material is tailor-made for purification (or for related assays) of particular NTP-binding proteins since we provide

- NTPs and dNTPs that are linked to the matrix at various positions of sugar, base or phosphate moiety of the nucleotide
- Different types and lengths of linkers
- Different types of chromatography material ranging from bulk material to pre-made columns that fit any machine

Please direct your inquiries to nucleotides@jenabioscience.com

Different types of chromatography material available

**Pre-packed
MPLC columns
based on
Toyopearl
AF-650M**



**Pre-packed
syringe columns
based on
Sephacose® 4B**



**Pre-packed
screening columns
based on
Sephacose® 4B**



**Bulk materials
based on
Sephacose® 4B**



For more information please contact us at nucleotides@jenabioscience.com

Affinity chromatography

Selected References


Christoforidis et al. (2000) Purification and identification of novel *Rab* effectors using affinity chromatography. *Methods* **20(4)**: 403.


Damer et al. (1998) Rapid identification of protein phosphatase 1-binding proteins by mixed peptide sequencing and data base searching. Characterization of a novel holoenzymic form of protein phosphatase 1. *J. Biol. Chem.* **273(38)**:24396.

Haystead et al. (1993) Gamma-phosphate-linked ATP-Sepharose for the affinity purification of protein-kinases - rapid purification to homogeneity of skeletal-muscle mitogen-activated protein-kinase. *Eur. J. Biochem.* **214 (2)**:459.

Griffits et al. (1977) An examination of potential matrices for the affinity chromatography of NADP⁺ - linked dehydrogenases with special reference to 6-phosphogluconate dehydrogenase. *Biochem. J.* **161(3)**: 561.

Product Information

Product Description	Unit Size	Price / € 
NTPs immobilized on Sepharose 4B bulk materials	1 ml	50 – 220
	5 ml	200 – 880
NTPs immobilized on Sepharose 4B pre-packed syringe columns	1 ml	80 - 240
NTPs immobilized on Sepharose 4B pre-packed screening columns	0.2 ml	25 - 59
NTPs immobilized on pressure - stable hydrophilic polymer pre-packed MPLC columns	1 ml	550 - 720

 price depends on type of nucleotide, linker position and lengths, see www.jenabioscience.com for details