



EIF3K Protein Crystal

Catalog: CBCRY12

PRODUCT INFORMATION

Product Name	EIF3K Protein Crystal
Catalog Number	CBCRY12
Fragment	Full length
Protein Description	Eukaryotic translation initiation factor 3 subunit K
Background	eIF3k, the smallest subunit of eukaryotic initiation factor 3 (eIF3), interacts with several other subunits of eIF3 and the 40 S ribosomal subunit. eIF3k is conserved among high eukaryotes, including mammals, insects, and plants, and it is ubiquitously expressed in human tissues. Interestingly, eIF3k does not exist in some species of yeast. Thus, eIF3k may play a unique regulatory role in higher organisms.
Protein Classification	Biosynthetic protein
Structure Weight	26532.46 Da
PDBID	1RZ4
Method	X-Ray Diffraction
Resolution	2.1 Å
Ligand Chemical Component	sulfate ion



Reference	Wei, Z., Zhang, P., Zhou, Z., Cheng, Z., Wan, M., Gong, W. (2004) Crystal structure of human eIF3k, the first structure of eIF3 subunits J.Biol.Chem. 279: 34983-34990
cDNA Length	750

USAGE GUIDELINES

General Handling	Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.
Storage	Short term: +2°C to +8°C (up to 1 week) Long term: -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to 3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.