

Recombinant Drosophila Melanogaster BNK Protein (1-303 aa), His-tagged

Cat. No. BNK-1892D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Drosophila Melanogaster (Fruit fly) BNK Protein (1-303 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Drosophila
Source	E.coli
ProteinLength	1-303 aa
Description	Acts as a regulator of the microfilament network governing cellularization of the embryo. Determines the timing of a key conformational transition in the cortical microfilament network: the proper coordination of membrane invagination and basal closure of the cells. To do this, bnk possibly physically links neighboring contractile units of the early cycle 14 microfilament network in a manner that prevents basal constriction until the proper stage has been reached. Bnk together with nullo and Sry-alpha may provide auxiliary functions, by acting both to stabilize a large and dynamic microfilament structure and regulate its functions.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	37.6 kDa
AA Sequence	MSISTFNFQFYNYKLSPSSPGFGSTASRSSSSCISELEMDIDEDMSAQPTITSTPKPR

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FTSQLAVELAKTEPGNGISPLRPKLHTAQKRWSMELREKVLEMSKRNNNGQEKPQTA
RQQEQRQPQEQPLQQEELQHQQQEPTVTDKINFFNKLNTFESGFSKLMPQASST
NNRFIAMLRARPQNVATTTANSSTANSFLGSDHSLSGSVTGQVPPPKPKRLSATT
QFATPHVPAMGVGKGGSQRKCSLRRKPSMDKSRATISRQSSSASVRTQNHAIMED
LSLVVPVRLRIAEEYEQRISMSA

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [bnk bottleneck \[Drosophila melanogaster \(fruit fly\) \]](#)

Official Symbol [BNK](#)

Synonyms Bnk; CG1480; Dmel\CG1480;

Gene ID [43687](#)

mRNA Refseq [NM_079865](#)

Protein Refseq [NP_524604](#)

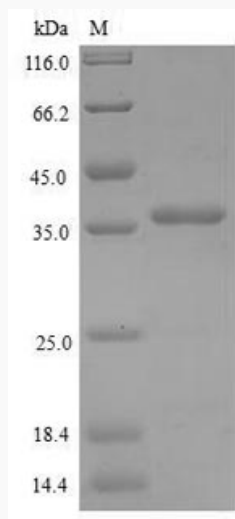
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UniProt ID

P40794



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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