

Recombinant Human NCKIPSD, GST-tagged

Cat. No. NCKIPSD-16H Lot. No. (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the mature form of human NCKIPSD (Met1-Thr244) was expressed with the GST tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	1-244 a.a.
Description	The protein encoded by this gene is localized exclusively in the cell nucleus. It plays a role in signal transduction, and may function in the maintenance of sarcomeres and in the assembly of myofibrils into sarcomeres. It also plays an important role in stress fiber formation. The gene is involved in therapy-related leukemia by a chromosomal translocation t(3;11)(p21;q23) that involves this gene and the myeloid/lymphoid leukemia gene. Alternative splicing results in multiple transcript variants of this gene.
Predicted N Terminal	Met
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant human NCKIPSD consists of 478 amino acids and predicts a molecular mass of 53.2 KDa. It migrates as an approximately 53 KDa band in SDS-PAGE under reducing conditions.
Purity	> 90 % as determined by SDS-PAGE

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
GENE INFORMATION	
Gene Name	NCKIPSD NCK interacting protein with SH3 domain [Homo sapiens (human)]
Official Symbol	NCKIPSD
Synonyms	NCKIPSD; NCK interacting protein with SH3 domain; NCK-interacting protein with SH3 domain; DIP-1; VIP54; dia interacting protein; dia-interacting protein 1; SH3 adapter protein SPIN90; 54 kDa VacA-interacting protein; 54 kDa vimentin-interacting protein
Gene ID	51517
mRNA Refseq	NM_016453
Protein Refseq	NP_057537
MIM	606671
UniProt ID	Q9NZQ3
Chromosome Location	3p21
Pathway	Fcgamma receptor (FCGR) dependent phagocytosis; Immune System; Innate Immune System

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Function

SH3 domain binding; cytoskeletal protein binding; protein binding

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