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**Product Data Sheet**


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Product Name: TNIP1 Human

Cat. No.: GP24851

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TNFAIP3-interacting protein 1; HIV-1 Nef-interacting protein; Nef-associated factor 1; Naf1; Nip40-1; Virion-associated nuclear shuttling protein; VAN; hVAN; TNIP1; KIAA0113; NAF1; ABIN-1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSNVTASPTA PACPSDKPAP VQKPPSSGTS SEFEVVTPEE QNSPESSSHA NAMALGPLPR EDGNLMLHLQ RLETTLSVCA EEPDHGQLFT HLGRMALEFN RLASKVHKNE QRTSILQTLQ EQLRKENEAL KAKLDKGLEQ RDQAAERLRE ENLELKKLLM SNGNKEGASG RPGSPKMEGT GKKAVAGQQQ ASVTAGKVPE VVALGAAEKK VKMLEQQRSE LLEVNKQWDQ HFRSMKQQYE QKITELRQKL ADLQKQVTDL EAEREQKQRD FDRKLLLAKS KIEMEETDKE QLTAEAKELR QKVLYLQDQL SPLTRQREYQ EKEIQRLNKA LEEALSIQTP PSSPPTAFGS PEGAGALLRK QELVTQNELL KQQVKIFEED FQRERSDRER MNEEKEELKK QVEKLQAQVT LSNAQLKAFK DEEKAREALR QQKRKAKA.		
Formulation	The TNIP1 solution (0.25 mg/ml) contains 20mM Tris-HCl buffer (pH7.5), 20% glycerol, 5mM DTT and 200mM NaCl.		

**Introduction**

TNFAIP3-interacting protein 1 (TNIP1) interacts with zinc finger protein A20/TNFAIP3 and inhibits TNF-induced NF-kappa-B-dependent gene expression by interfering with a RIP- or TRAF2-mediated transactivation signal. Furthermore, TNIP1 interacts with HIV-1 matrix protein and is packaged into virions and its overexpression can inhibit viral replication. TNIP1 can regulate matrix nuclear localization, both nuclear import of Preintegration complex (PIC) and export of GAG polyprotein and viral genomic RNA during virion production.

**Stability**

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

TNIP1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 458 amino acids (94-530 a.a.) and having a molecular mass of 51.8kDa. The TNIP1 is purified by proprietary chromatographic techniques.

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