

TSNAX Human

Description: TSNAX Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 313 amino acids (1-290 a.a.) and having a molecular mass of 35kDa. TSNAX is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-1299

For research use only.

Synonyms: TRAX, Translin-associated protein X, Translin-associated factor X.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMNSKEGS GGFRKRKHDN
FPHNQRREGK DVNSSSPVML AFKSFQQELD ARHDKYERLV KLSRDITVES KRTIFLLHRI
TSAPDMEDIL TESEIKLDGV RQKIFQVAQE LSGEDMHQFH RAITTGLQEY VEAVSFQHF
KTRSLISMDE INKQLIFTTE DNGKENKTPS SDAQDKQFGT WRLRVTPVDY LLGVADLTGE
LMRMCINSVG NG

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

TSNAX protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.2M NaCl, 50% glycerol and 1mM DTT.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

TSNAX is a member of translin family. TSNAX particularly interacts with translin, a DNA-binding protein that binds consensus sequences at breakpoint junctions of chromosomal translocations. TSNAX works in combination with TSN as an endonuclease involved in the activation of the RNA-induced silencing complex (RISC). TSNAX has bipartite nuclear targeting sequences that afford nuclear transport for translin, which lacks any nuclear targeting motifs.

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