

# Recombinant human TRAX protein

Catalog Number: ATGP1819

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-290aa

### UniProt No.

Q99598

### NCBI Accession No.

NP\_005990.1

### Alternative Names

Translin-associated protein X, TRAX

## PRODUCT SPECIFICATION

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### Molecular Weight

35 kDa (313aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 50mM Imidazole, 0.1mM PMSF

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

TSNAX is a protein which specifically interacts with translin, a DNA-binding protein that binds consensus sequences at breakpoint junctions of chromosomal translocations. The protein contains bipartite nuclear targeting sequences that may provide nuclear transport for translin, which lacks any nuclear targeting motifs. Recombinant human TSNAX protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

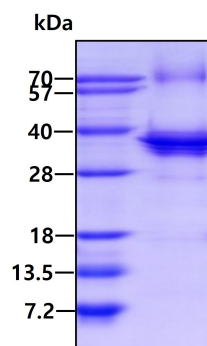
<MGSSHHHHHH SSGLVPRGSH MGS>MSNKEGS GGFRKRKHDN FPHNQRREGK DVNSSSPVML AFKSFQQELD  
ARHDKYERLV KLSRDITVES KRTIFLLHRI TSAPDMEDIL TESEIKLDGV RQKIFQVAQE LSGEDMHQFH RAITTGLQEY  
VEAVSFQHF I KTRSLISMDE INKQLIFTTE DNGKENKTPS SDAQDKQFGT WRLRVTPVDY LLGVADLTGE LMRMCINSVG  
NGDIDTPFEV SQFLRQVYDG FFIGNTGPY EVSKKLYTLK QSLAKVENAC YALKVRGSEI PKHMLADVFS VKTEMIDQEE GIS

## General References

Chennathukuzhi VM, Kurihara Y, et al. (2001). J Biol Chem. 276(16):13256-63.  
Thomson PA, Wray NR, et al. (2005). Mol Psychiatry. 10(7):657-68, 616.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.