Recombinant human TRAX protein

Catalog Number: ATGP1819

PRODUCT INFORMATION

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

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

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

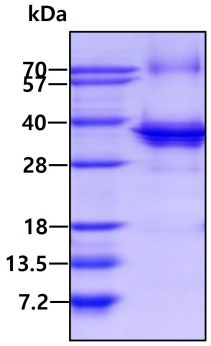
<MGSSHHHHHH SSGLVPRGSH MGS>MSNKEGS GGFRKRKHDN FPHNQRREGK DVNSSSPVML AFKSFQQELD ARHDKYERLV KLSRDITVES KRTIFLLHRI TSAPDMEDIL TESEIKLDGV RQKIFQVAQE LSGEDMHQFH RAITTGLQEY VEAVSFQHFI KTRSLISMDE INKQLIFTTE DNGKENKTPS SDAQDKQFGT WRLRVTPVDY LLGVADLTGE LMRMCINSVG NGDIDTPFEV SQFLRQVYDG FSFIGNTGPY EVSKKLYTLK QSLAKVENAC 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



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.