Recombinant human TSSC4 protein

Catalog Number: ATGP1370

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-329aa

UniProt No.
Q9Y5U2

NCBI Accession No.
AAH06091

Alternative Names
Tumor suppressing subtransferable candidate 4, Tumor suppressing subtransferable candidate 4, tumor suppressing STF cDNA 4

PRODUCT SPECIFICATION

Molecular Weight
36.8 kDa (353aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT,20% glycerol, 200mM NaCl

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
TSSC4 (tumor suppressing subtransferable candidate 4), also known as tumor suppressing STF cDNA 4 protein, belongs to the TSSC4 family. This protein is one of several tumor-suppressing subtransferable fragments located in the imprinted gene domain of 11p15. 5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. It plays a role in malignancies and disease that

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involve this region as well as hematopoietic cell function This protein was widely expressed in nearly all adult tissues, TSSC4 is also found in fetal liver, lung, kidney and brain. Recombinant human TSSC4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

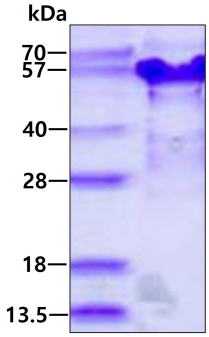
<MGSSHHHHHH SSGLVPRGSH MGSH>MAEAGT GEPSPSVEGE HGTEYDTLPS DTVSLSDSDS DLSLPGGAEV EALSPMGLPG EEDSGPDEPP SPPSGLLPAT VQPFHLRGMS STFSQRSRDI FDCLEGAARR APSSVAHTSM SDNGGFKRPL APSGRSPVEG LGRAHRSPAS PRVPPVPDYV AHPERWTKYS LEDVTEVSEQ SNQATALAFL GSQSLAAPTD CVSSFNQDPS SCGEGRVIFT KPVRGVEARH ERKRVLGKVG EPGRGGLGNP ATDRGEGPVE LAHLAGPGSP EAEEWGSPHG GLQEVEALSG SVHSGSVPGL PPVETVGFHG SRKRSRDHFR NKSSSPEDPG AEV

General References

Lee M.P., et al. (1999) Hum. Mol. Genet. 8:683-690
Hu, R.J., et al. (1997) Genomics 46: 9-17.

DATA

SDS-PAGE



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