Recombinant human FANK1 protein

Catalog Number: ATGP2428

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-345aa

UniProt No.
Q8TC84

NCBI Accession No.
NP_660278.3

Alternative Names
fibronectin type 3 and ankyrin repeat domains protein 1, HSD13

PRODUCT SPECIFICATION

Molecular Weight
40.7 kDa (368aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

Purity
> 85% 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
FANK1 was localized in the nuclei of the same cells within the seminiferous epithelium. Consistent with its nuclear localization, a gene ontology analysis suggests that FANK1 has a DNA binding activity and thus may function as a transcription factor. Given the highly restricted expression of FANK1, it may have a role in regulating gene expression in the transition from the meiotic phase to the haploid phase during spermatogenesis. Recombinant human FANK1 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

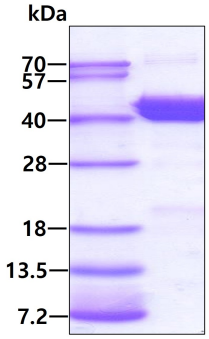
<MGSSHHHHHH SSGLVPRGSH MGS>MEPQKIM PPSKPHPPVV GKVTHHSIEL YWDLEKKAKR QGPQEQWFRF SIEEEDPKMH TYGIIYTGYA TKHVVEGLEP RTLYRFRLKV TSPSGECEYS PLVSVSTTRE PISSEHLHRA VSVNDEDLLV RILQGGRVKV DVPNKFGFTA LMVAAQKGYT RLVKILVSNG TDVNLKNGSG KDSLMLACYA GHLDVVKYLR RHGASWQARD LGGCTALHWA ADGGHCSVIE WMIKDGCEVD VVDTGSGWTP LMRVSAVSGN QRVASLLIDA GANVNVKDRN GKTPLMVAVL NNHEELVQLL LDKGADASVK NEFGKGVLEM ARVFDRQSVV SLLEERKKKQ RPKKSCVC

General References

Bulfone,A., et al. (2004) Gene Expr. Patterns 4 (3), 297-301

DATA

SDS-PAGE



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