

Recombinant human FANK1, His-tagged

Cat. No. FANK1-2428H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FANK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT, 0.1mM PMSF
Molecular Mass	9.9kDa (91aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEPQKIM PPSKPHPPVV GKVTHHSIEL YWDLEKKAKR QGPQEQWFRF SIEEDPKMH TYGIIYTGya TKHVVEGLEP RTLYRFRLKV TSPSGECEYS PLVSVSTTRE PISSEHLHRA VSVNDEDLLV RILQGGRVKV DVPNKFQFTA LMVAAQKGYT RLVKILVSNG TDVNLKNGSG KDSLMLACYA GHLDVVKYLR RHGASWQARD LGGCTALHWA ADGGHCSVIE

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WMIKDGCEVD VVDTGSGWTP LMRVSAVSGN QRVASLLIDA GANVNVKDRN
GKTPLMVAVL NNHEELVQLL LDKGADASVK NEFGKGVLEM ARVFDRQSVV
SLLEERKKKQ RPKKSCVC

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name FANK1 fibronectin type III and ankyrin repeat domains 1 [Homo sapiens]

Official Symbol FANK1

Synonyms FANK1; fibronectin type III and ankyrin repeat domains 1; fibronectin type 3 and ankyrin repeat domains 1; fibronectin type 3 and ankyrin repeat domains protein 1; 1700007B22Rik; HSD13;

Gene ID 92565

mRNA Refseq NM_145235

Protein Refseq NP_660278

MIM 611640

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UniProt ID	Q8TC84
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Chromosome Location	10q26.2
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