

**FANK1, 1- 345aa, Human, His tag, E.coli**

**Cat.NO.: TP02090**

3th Edition

**Synonyms:** fibronectin type 3 and ankyrin repeat domains protein 1, HSD13

**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.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT, 0.1mM PMSF

**Molecular Weight:** 9.9kDa (91aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMPEQKIMPPSKPHPPVVGKVTHHSIELYWDLEKKAKRQGPQEQWFRFSIEE  
EDPKMHTYGIITYTGYATKHVVEGLEPRTLRYFRLKVTSPSGECEYSPLVSVSTTREPISSSEHLHRAVSVNDEDLLVRI  
LQGGRVKVDVPNKFGFTALMVAAQKGYTRLVKILVSNGTDVNLKNGSGKDSLMLACYAGHLDVVKYLRRHGASW  
QARDLGGCTALHWAADGGHCSVIEWMIKDGCEVDVVDTGSGWTPLMRVSAVSGNQRVASLLIDAGANVNVKDRN  
GKTPLMVAVLNNHEELVQLLLDKGADASVKNEFGKGVLEMARVFDRQSVVSLLEERKKKQRPKKSCVC

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

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