

**SUFU, 1-484aa, Human, His tag, E.coli**

**Cat.NO.: TP04086**

3th Edition

**Synonyms:** suppressor of fused homolog, PRO1280, SUFUH, SUFUXL

**Description:** SUFU (Suppressor of fused homolog) belongs to the SUFU family. This protein is negative regulator of the hedgehog signaling pathway. Defects in this gene are a cause of medulloblastoma. SUFU has been shown to interact with GLI1, GLI3 and PEX26. Recombinant human SUFU 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 2mM DTT, 10% glycerol, 50mM NaCl

**Molecular Weight:** 56.1kDa (504aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMAELRPSGAPGPTAPPAPGPTAPPAPAFASLFPPGLHAIYGECCRRLYPDQPNPLQVT  
AIVKYWLGGPDPLDYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTDGSPSGFELTFRLKRETGES  
APPTWPAELMQGLARYVFQSENTFCSGDHVSWHSPLDNSESRIQHMLLTEDPQMGPVQTPFGVVTFLQIVGVCTE  
ELHSAQQWNGQGILELLRTVPIAGGPWLITDMRRGETIFEIDPHLQERVDKGIETDGSNLSGVSAKCAWDDLSRPP  
EDDEDSRSICIGTQPRRLSGKDTEQIRETLRRGLEINSKPVLPPIPQRQNGLAHDRAPSRKDSLESDSSTAIIPHELI  
RTRQLESVHLKFNQESGALIPLCLRGRLHGRHFTYKSITGDMAITFVSTGVEGAFATEEHPYAAHGPWLQILLTEEF  
VEKMLEDLEDLTSPEEFKLPKEYSWPEKCLKVSILPDVVFDSPH

**Purity:** > 95% by HPLC

**Concentration:** 0.5mg/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.