

**DIRAS1, 1-195aa, Human, His tag, E.coli**

**Cat.NO.: TP01880**

3th Edition

**Synonyms:**GTP-binding protein Di-Ras1,Di-Ras1, FLJ42681, GBTS1, RIG.

**Description:**DIRAS1 belongs to a distinct branch of the functionally diverse Ras superfamily of monomeric GTPases. Ras proteins function as binary molecular switches that control intracellular signaling networks. Rasregulated signal pathways control such processes as actin cytoskeletal integrity, proliferation, differentiation, cell adhesion, apoptosis, and cell migration.

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

**Molecular Weight:**24.1 kDa (215aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMPEQSNDYRVVVFGAGGVGKSSLVLRVKGTFRDYIPTIEDTYRQVISCDKSVCTLQITDTTGSHQFPAMQRLSISKGHAFILVFSVTSKQSLEELGPIYKLIVQIKGSVEDIPVMLVGNKCDETQREVDTRE  
AQAVAEWKCAFMETSAKMNYNVKELFQELLTLETRRNMSLNIDGKRSGKQKRTDRVKGKC

**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.