

REG, 1-199aa, Human, His tag, E.coli

Cat.NO.: TP03714

3th Edition

Synonyms:Ras-related and estrogen-regulated growth inhibitor, MGC15754

Description:REG is a 199 amino acid protein that localizes in the cytoplasm and belongs to the Ras subfamily of small GTPases. REG is expressed in pancreas, liver, skin, lung, brain, kidney and heart tissue. It is critical mediators of diverse cell signaling pathways, including those leading to cell proliferation, cytoskeletal organization and secretion.

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 50% glycerol

Molecular Weight:24.7 kDa (219aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHHSSGLVPRGSHMAKSAEVKLAIFGRAGVGKSALVVRFLTKRFIWEYDPTLESTYRHQATIDDEVVSM
EILDTAGQEDTIQREGHMRWGEGFVLVDITDRGSFEEVLPLKNILDEIKKPKNVTLILVGNKADLDHSRQVSTEEGE
KLATELACAFYECSACTGEGNITEIFYELCREVRRRRMVQGKTRRRSSTTHVKQAINKMLTKISS

Purity:> 95% by HPLC

Concentration:0.25 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.