

**RAC2, 1-192aa, Human, GST tagged, Recombinant, E.coli**

**Cat.NO.: TP03656**

3th Edition

**Synonyms:**Ras-related C3 botulinum toxin substrate 2, EN-7, Gx, HSPC022

**Description:**Rac2 is a small signaling G protein (more specifically a GTPase), and is a member of the Rac subfamily of the family Rho family of GTPases. Rac proteins play important roles in multiple cellular events, including actin cytoskeletal organization, cell proliferation and survival, cell cycle progression, and gene transcription regulation.

**Form:**Liquid. In Phosphate Buffered Saline( pH 7.4)

**Molecular Weight:**47 kDa (419 aa), confirmed by MALDI-TOF

**Sequences:**

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMIIRYIADK  
HNMLGGCPKERAEISMLEGAVLDIRYGVSR IAYS KDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFM  
LYDALDVVLYMDPMCLDAFPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQG WQATFGGGDHPPKSDLVPRGSHMQA  
IKCVVVG DGAVGKTCLLISYTTNAFPGEYIPTVFDNYSANVMVDSKPVNLGLWDTAGQEDYDRLRPLSYPQTDVFLI  
CFSLVSPASYENVR AKWFPEVRHHCPSTPIILVGTKL DLRDDKDTIEKLKEKKLAPITYPQGLALAKEIDSVKYLECSA  
LTQRGLKTVFDEAIRAVLCPQPTRQQKRACSL

**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.