

## 32-4584: Recombinant Human Ras-Related C3 Botulinum Toxin Substrate 2 (1-189)

**Alternative Name :** Ras-related C3 botulinum toxin substrate 2,p21-Rac2,Small G protein,GX,RAC2,HSPC022,EN-7.

### Description

Source : Escherichia Coli. RAC2 Human Recombinant fused with 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 209 amino acids (1- 189 a.a.) and having a molecular mass of 23.3kDa.The RAC2 is purified by proprietary chromatographic techniques. RAC2 is a small signaling G protein/GTPase which is part of the RAS superfamily of small GTP-binding proteins which regulate cell growth, actin cytoskeletal organization, cell proliferation, survival, cell cycle progression, gene transcription rgulation and the activation of protein kinases. RAC2 cycles between an active gtp-bound and inactive gdp-bound state. In active state, RAC2 binds to a variety of effector proteins to regulate cellular responses, such as secretory processes, phagocytose of apoptotic cells and epithelial cell polarization. RAC2 is involved in the regulation of the nadph oxidase.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	The RAC2 solution contains 20mM Tris-HCl buffer (pH 8.0), 20% Glycerol, 2mM EDTA, 2mM DTT and 0.1M NaCl.
<b>Storage condition :</b>	RAC2 although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MQAIKCVVVG DGAVGKTCLL ISYTTNAFPG EYIPTVFDNY SANVMVDSKP VNLGLWDTAG QEDYDRLRPL SYPQTDVFLI CFSLVSPASY ENVRAKWFPE VRHHCPTPI ILVGTKLDLR DDKDTIEKLEK EKKLAPITYP QGLALAKEID SVKYLECSAL TQRGLKTVFD EAIRAVLCPQ PTRQQRAC.