



Product Data Sheet

Cat # RP-982 Recombinant Human Ras-Related C3 Botulinum Toxin substrate 1 **Size:** 10 ug

RAC1 is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. RAC-1 regulates the actin cytoskeleton but also other cellular processes. RAC1 have been shown to be involved in the regulation of cell-cell adhesion.

SOURCE:

Ras-Related C3 Botulinum Toxin substrate 1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 192 amino acids and having a molecular mass of 21.4 kDa. The protein solution contains 20mM Tris-HCl pH7.5, 2mM EDTA and 1mM DTT.

APPLICATION AND SUGGESTED DILUTIONS:

Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

STORAGE & STABILITY:

RAC1 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). If supplied in powder then reconstitute it in 100ul water for 1mg/mL stock and store in liquid at 4°C for ~ 1week or aliquots in suitable size and store at -20°C for long term storage.

USAGE:

This item is for LABORATORY RESEARCH USE ONLY.

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