

RAC1 Protein, Human, Recombinant (His)

General Information

Synonyms:	Ras-related C3 botulinum toxin substrate 1;RAC1;Cell migration-inducing gene 5 protein; TC25;Ras-like protein TC25;p21-Rac1
Protein Construction:	1-189 aa
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	P63000
Molecular Weight:	24.6 kDa (predicted); 30 kDa (reducing conditions)
AA Sequence:	MQAIKCVVVG DGAVGKTCLLISYTTNAPG EYIPTVFDNY SANVMVDGKPVNLGLWDTAGQEDYDRLRPLSY PQTDVFLICFSLVSPASFENVRAKWYPEVRHHCPNTP IILVGTKL DLRDDKDTIEKLKEKLLTPITYPQGLAMAK EIGAVKYLECSALTQRGLKTVFDEAIRAVLCPPPVKKRKRKC

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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