

## 32-4597: Recombinant Human RAN, Member RAS Oncogene Family

**Alternative Name :** ARA24,Gsp1,TC4,GTP-binding nuclear protein Ran,GTPase Ran,Ras-related nuclear protein,Ras-like protein TC4,Androgen receptor-associated protein 24,Ras-like,RANP1.

### Description

Source : Escherichia Coli. RAN Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 236 amino acids (1-216 a.a.) and having a molecular mass of 26.5 kDa. The RAN is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. RAN is a GTP-binding protein that participates in nucleocytoplasmic transport. RAN is necessary for the import of protein into the nucleus and also for RNA export. RAN takes part in chromatin condensation and control of cell cycle. The RAN complex with BIRC5 participates in mitotic spindle formation by being as a physical scaffold to assist the delivery of the RAN effector molecule TPX2 to microtubules. RUN increases AR-mediated transactivation.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** RAN Human solution containing 20mM Tris-HCl pH-8,1mM DTT & 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MAAQGEPQVQ FKLVLVGDGG TGKTTFVKRH LTGEFEKKYV  
 ATLGVEVHPL VFHTNRGPIK FNVWDTAGQE KFGGLRDGYI IQAQCAIIMF DVTSRVTYKN VPNWHRDLVR  
 VCENIPIVLC GNKVDIKDRK VKAKSIVFHR KKNLQYYDIS AKSNYNFEKP FLWLARKLIG DPNLEFVAMP  
 ALAPPEVMD PALAAQYEHD LEVAQTALP DEDDDL.

