

32-4598: Recombinant Human RAN Binding Protein 1

Alternative Name : RAN binding protein 1,HTF9A,ran-specific GTPase-activating protein,RanBP1.

Description

Source : E.coli. RANBP1 Human Recombinant produced in E. coli is a single polypeptide chain containing 225 amino acids (1-201) and having a molecular mass of 25.8kDa (molecular size on SDS-PAGE will appear higher).RANBP1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. RANBP1 is a member of a family of proteins which bind Ran GTPase. Ran GTPase is vital for cell cycle control, mRNA processing, nuclear transport, mitotic spindle assembly, and postmitotic nuclear re-assembly and nuclear architecture maintenance. RANBP1 does not stimulate GTPase activity of RAN however RANBP1 does distinctly raise GTP hydrolysis by the RanGTPase-activating protein (RanGAP1). Additionally, RANBP1 operates as a negative regulator of RCC1 by inhibiting RCC1-stimulated guanine nucleotide release from RAN.

Product Info

Amount :	25 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The RANBP1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 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 SGLVPRGSH MGSMAAAKD THEDHDTSTE NTDESNHDPQ FEPIVSLPEQ EIKTLEEDDE ELFKMRAKLF RFASENDLPE WKERGTGDVK LLKHKEKGAI RLLMRRDKTL KICANHYITP MMELKPNAGS DRAWVWNTHA DFADECPKPE LLAIRFLNAE NAQFKTKFE ECRKEIEERE KKAGSGKNDH AEKVAEKLEA LSVKEETKED AEEKQ.