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**Recombinant Human NRAS Protein (His tag)****Cat.NO.: TP06834**

3th Edition

**Synonyms:**ALPS4;CMNS;N-ras;NCMS;NRAS1;NS6

**Description:**NRAS was discovered by researchers at the Institute of Cancer Research, funded by the Cancer Research Campaign (now Cancer Research UK). NRAS gene is a member of the Ras gene family. It is mapped on chromosome 1, and it is activated in HL60, a promyelocytic leukemia line. The mammalian ras gene family consists of the harvey and kirsten ras genes (HRAS and KRAS), an inactive pseudogene of each (c-Hras2 and c-Kras1) and the N-ras gene. They differ significantly only in the C-terminal 40 amino acids. These ras genes have GTP/GDP binding and GTPase activity, and their normal function may be as G-like regulatory proteins involved in the normal control of cell growth. The NRAS gene specifies two main transcripts of 2Kb and 4.3Kb. The difference between the two transcripts is a simple extension through the termination site of the 2Kb transcript. The NRAS gene consists of seven exons (-I, I, II, III, IV, V, VI).  
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**Form:**PBS**Molecular Weight:**23 kDa**Sequences:**Met 1-Cys186**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.