9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HRAS Human

V-Ha-ras Harvey Rat Sarcoma Viral Oncogene Homolog Human Recombinant
RCP1054

Product Overview

Name	HRAS Human
Description	
V-Ha-ras Harvey Rat Sarcoma Viral Oncogene Homolog Human Recombinant	
Accession (Primary)	P01112
Synonyms	
C-BAS/HAS, C-H-RAS, C-HA-RAS1, CTLO, H-RASIDX, HAMSV, HRAS1, K-RAS, N-RAS, RASH1.	
Introduction	
HRAS is part of the Ras oncogene family, whose members are related to the transforming genes of mammalian sarcoma retroviruses. The products encoded by these genes participate in signal transduction pathways. These proteins can bind GTP and GDP, and they have intrinsic GTPase activity. HRAS go trough a continuous cycle of de- and re-palmitoylation, which mediates its rapid exchange between the plasma membrane and the Golgi apparatus. Mutations in HRAS result in Costello syndrome, a disease characterized by increased growth at the prenatal stage, growth deficiency at the postnatal stage, predisposition to tumor formation, mental retardation, skin and musculoskeletal abnormalities, distinctive facial appearance and cardiovascular abnormalities. Defects in this HRAS gene are implicated in a range of cancers, including bladder cancer, follicular thyroid cancer, and oral squamous cell carcinoma.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
0.5mg/ml solution containing 20mM Tris-HCl pH-8, 0.1M NaCl & 20% glycerol.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	

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MTEYKLVVVG AGGVGKSALT IQLIQNHFVD EYDPTIEDSY RKQVVIDGET CLLDILDTAG QEEYSAMRDQ YMRTGEGFLC VFAINNTKSF EDIHQYREQI KRVKDSDDVP MVLVGNKCDL AARTVESRQA QDLARSYGIP YIETSAKTRQ GVEDAFYTLV REIRQHKLRK LNPPDESGPG CMSCKC LEHH HHHH.

Precautions

HRAS Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01112)