

Recombinant Human ERAS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ERAS-1972H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ERAS MS Standard C13 and N15-labeled recombinant protein (NP_853510) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a constitutively active member of the small GTPase Ras protein family. The encoded protein activates the phosphatidylinositol 3-kinase signal transduction pathway in undifferentiated stem cells, but is not expressed in differentiated cells. This gene may be involved in cancer and chemotherapy resistance.
Molecular Mass	25.3 kDa
AA Sequence	MELPTKPGTFDLGLATWSPSFQGETHRAQARRRDVGRQLPEYKAVVVGASGVGKS ALTIQLNHQCFVEDHDPTIQDSYWKELTDSGDCILNVLDTAGQAIHRALRDQCLAVC DGVLGVFALDDPSSLIQLQQIWATWGPHPAQPLVLVGNKCDLVTTAGDAHAAAAAL AHSWGAHFVETSAKTRQGVVEEAFSLLVHEIQRVQEAMAKEPMARSCREKTRHQKA TCHCGCSVATRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ERAS ES cell expressed Ras [Homo sapiens (human)]

Official Symbol ERAS

Synonyms ERAS; ES cell expressed Ras; HRAS2, HRASP, v Ha ras Harvey rat sarcoma viral oncogene homolog pseudogene; GTPase ERas; E-Ras; small GTPase protein E-Ras; embryonic stem cell-expressed Ras; v-Ha-ras Harvey rat sarcoma viral oncogene homolog 2; v-Ha-ras Harvey rat sarcoma viral oncogene homolog pseudogene; HRAS2; HRASP; MGC126691; MGC126693;

Gene ID 3266

mRNA Refseq NM_181532

Protein Refseq NP_853510

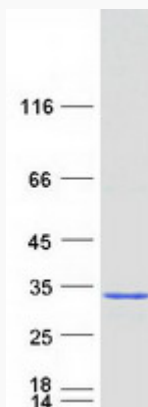
MIM 300437

UniProt ID Q7Z444

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SDS-PAGE

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