

Recombinant Full Length Human ERAS Protein, GST-tagged

Cat. No. ERAS-4357HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ERAS full-length ORF (NP_853510.1, 1 a.a. - 233 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	233 amino acids
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. [provided by RefSeq, Dec 2012]
Molecular Mass	51.70 kDa
AA Sequence	MELPTKPGTFDLGLATWSPSFQGETHRAQARRRDVGRQLPEYKAVVVGASGVGKS ALTIQLNHQCFVEDHDPTIQDSYWKELTLDSGDCILNVLDTAGQAIHRALRDQCLAVC DGVLGVFALDDPSSLIQLQQIWATWGPHPAQPLVLVGNKCDLVTTAGDAHAAAAAL AHSWGAHFVETSAKTRQGVVEEAFSLLVHEIQRVQEAMAKEPMARSCREKTRHQKA TCHCGCSVA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ERAS ES cell expressed Ras [Homo sapiens]
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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