Recombinant Human ARAF protein, GST-tagged

Cat. No. ARAF-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARAF(209-end) fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	209-end a.a.
Description	ARAF belongs to the RAF subfamily of the Ser/Thr protein kinase family, and maybe involved in cell growth and development. ARAF play a critical role in cell growth and development (1).The N-terminal regulatory domain of ARAF interacted with the putative mitochondrial proteins TOM and TIM44. ARAF is expressed predominantly in urogenital tissues (2). The complete coding sequence of the human A-raf-1 oncogene and transforming activity of a human A-raf carrying retrovirus.
Form	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~70 kDa
Purity	>70%
Applications	Western Blot

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Stability	1 year from date of shipment
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1μg/μl

GENE INFORMATION

Gene Name	ARAF v-raf murine sarcoma 3611 viral oncogene homolog [Homo sapiens]
Official Symbol	ARAF
Synonyms	ARAF; v-raf murine sarcoma 3611 viral oncogene homolog; ARAF1, v raf murine sarcoma 3611 viral oncogene homolog 1; serine/threonine-protein kinase A-Raf; Oncogene ARAF1; proto-oncogene Pks; proto-oncogene A-Raf-1; Ras-binding protein DA-Raf; v-raf murine sarcoma 3611 viral oncogene homolog 1; A-Raf proto-oncogene serine/threonine-protein kinase; PKS2; A-RAF; ARAF1; RAFA1;
Gene ID	369
mRNA Refseq	NM_001654
Protein Refseq	NP_001645
MIM	311010
UniProt ID	P10398
Chromosome	Xp11.3-p11.23

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Location	
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Chronic myeloid leukemia, organism-specific biosystem; Chronic myeloid leukemia, conserved biosystem; Colorectal cancer, organism-specific biosystem;
Function	ATP binding; metal ion binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity; receptor signaling protein activity;

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