

Recombinant Human ARAF

Cat. No. ARAF-26034TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 282-606 of Human A RAF, containing the mutations YY301-302DD, with an N-terminal proprietary tag, expressed in a Baculovirus infected Sf9 cell expression system, 63.6 kDa.
Species	Human
ProteinLength	282-606 a.a.
Description	This proto-oncogene belongs to the RAF subfamily of the Ser/Thr protein kinase family, and maybe involved in cell growth and development.
Tissue specificity	Predominantly in urogenital tissues.
Biological activity	Specific Activity: 50 nM A RAF yields 8% conversion of 1 uM ATP using MEK1 (K97R) as substrate.
Form	Liquid
Storage buffer	Preservative: None Constituents: 50% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. RAF subfamily. Contains 1 phorbol-ester/DAG-type zinc finger. Contains 1 protein kinase

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domain.Contains 1 RBD (Ras-binding) domain.

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;
Gene ID	369
mRNA Refseq	NM_001654
Protein Refseq	NP_001645
MIM	311010
Uniprot ID	P10398
Chromosome Location	Xp11.3-p11.23
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;
Function	ATP binding; metal ion binding; nucleotide binding; protein binding; protein kinase activity;

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