

Datasheet for ABIN7552333
ARAF Protein (AA 1-606) (His tag)



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Overview

Quantity:	1 mg
Target:	ARAF
Protein Characteristics:	AA 1-606
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARAF protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ARAF Protein expressed in mammalian cells.
Sequence:	MEPPRGPPAN GAEPSRAVGT VKVYLPNKQR TVVTVRDGMS VYDSLKALK VRGLNQDCCV VYRLIKGRKT VTAWDTAIAP LDGEELIVEV LEDVPLTMHN FVRKTFSLA FCDCLKFLF HGFRCQTCGY KFHQHCSSKV PTVCVDMSTN RQQFYHSVQD LSGGSRQHEA PSNRPLNELL TPQGSPRTQ HCDPEHFPPF APANAPLQRI RSTSTPNVHM VSTTAPMDSN LIQLTGQSFS TDAAGSRGGS DGTPRGSPSP ASVSSGRKSP HSKSPAEQRE RKS LADDKKK VKNLGYRDSG YYWEVPPSEV QLLKRIGTGS FGTVFRGRWH GDVAVKVLKV SQPTAEQAQA FKNEMQVLRK TRHVNILLFM GFMTRPGFAI ITQWCEGSSL YHHLHVADTR FDMVQLIDVA RQTAQGMDYL HAKNIIHRDL KSNIFLHEG LTVKIGDFGL ATVKTRWGA QPLEQPSGSV LWMAAEVIRM QDPNPYSFQS DVYAYGVVLY ELMTGSLPYS HIGCRDQIIF MVGRGYLSPD LSKISSNCPK AMRRLSDCL KFQREERPLF PQILATIELL QRSLPKIERS ASEPSLHRTQ ADELPACLLS AARLVP Sequence without tag. The proposed Purification-Tag is based on experiences with the

expression system, a different complexity of the protein could make another tag necessary.
In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	ARAF
Alternative Name:	ARAF (ARAF Products)
Background:	<p>Serine/threonine-protein kinase A-Raf (EC 2.7.11.1) (Proto-oncogene A-Raf) (Proto-oncogene A-Raf-1) (Proto-oncogene Pks),FUNCTION: Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. May also regulate the TOR signaling cascade.</p> <p>Phosphorylates PFKFB2 (PubMed:36402789). {ECO:0000269 PubMed:22609986, ECO:0000269 PubMed:36402789}., FUNCTION: [Isoform 2]: Serves as a positive regulator of myogenic differentiation by inducing cell cycle arrest, the expression of myogenin and other muscle-specific proteins, and myotube formation. {ECO:0000269 PubMed:22609986}.</p>
Molecular Weight:	67.6 kDa
UniProt:	P10398
Pathways:	MAPK Signaling , RTK Signaling , Hepatitis C

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months