

# Recombinant Full Length Human AHNAK2 Protein, GST-tagged

**Cat. No.** AHNAK2-949HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human AHNAK2 full-length ORF ( AAH49216.1, 1 a.a. - 483 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 483 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | <p>This gene encodes a large nucleoprotein. The encoded protein has a tripartite domain structure with a relatively short N-terminus and a long C-terminus, separated by a large body of repeats. The N-terminal PSD-95/Disks-large/ZO-1 (PDZ)-like domain is thought to function in the formation of stable homodimers. The encoded protein may play a role in calcium signaling by associating with calcium channel proteins.</p> <p>Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2017]</p> |
| <b>Molecular Mass</b>   | 79.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MRLPETQVLP GEIDETPLSK PGHDLASMED KTEKWSSQPE GPLKLKASST<br>DMPSQISVVN VDQLWEDSVL TVKFPMKLMVP RFSFAAPSSE DDVFIPTVRE<br>VQCPEANIDT ALCKESPLGW GASILKAGAG VPGEQPVLDN LPLEAPPISK<br>VRVHIQGAQV ESQEVTHSI VTPEFVDLSV PRTFSTQIVR ESEIPTSEIQ<br>TPSYGFSLK VKIPEPHTQA RYTTMTQHS RTQEGTEEAP IQATPGVDSI                                                                                                                                                                                                                                            |

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SGDLQPD TGE PFEMISSSVN VLGQQTLTFE VPSGHLADS CSDEEPAEIL  
 EFPPDDSQEA TTPLADEGRA PKDKPESKKS GLLWFWLPNI GFSSSVDETG  
 VDSKNDVQRS APIQTQPEAR PEAELPKKQE KAGWFRFPKL GFSSSPTKKS  
 KSTEDGAELE EQKLQEETIT FFDARESFSP EEKEEGELIG PVGTGLDSRV  
 MVTSAARTEL ILPEQDRKAD DESKGSGGLGP NEG

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**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** [AHNAK2 AHNAK nucleoprotein 2 \[ Homo sapiens \]](#)

**Official Symbol** [AHNAK2](#)

**Synonyms** AHNAK2; AHNAK nucleoprotein 2; C14orf78, chromosome 14 open reading frame 78; protein AHNAK2; C14orf78; KIAA2019

**Gene ID** [113146](#)

**mRNA Refseq** [NM\\_138420](#)

**Protein Refseq** [NP\\_612429](#)

**MIM** [608570](#)

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UniProt ID

Q8IVF2

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