

## Recombinant Human AHNAK2 Protein, GST-tagged

**Cat. No.** AHNAK2-462H    **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>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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/Discs-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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2017]</p> |
| <b>Molecular Mass</b>   | 79.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MRLPETQVLPGEIDETPLSKPGHDLASMEDKTEKWSSQPEGPLKLKASSTDMP SQI<br>SVVNVDQLWEDSVLTVKFPKLMVPRFSFAAPSSSEDDVFIPTVREVQCPEANIDTALC<br>KESPGLWGASILKAGAGVPGEQPVDLNLPLEAPPISKVRVHIQGAQVESQEVTHSIV<br>TPEFVDLSVPRTFSTQIVRESEIPTSEIQTPSYGFSLLKVKIPEPHTQARVYTTMTQHS<br>RTQEGTEEAPIQATPGVDSISGDLQPDGTGEFEMISSSVNVLGQQTLTFEVP SGHQL<br>ADSCSDEEPAEILEFPPDDSQEATTPLADEGRAPKDKPESKKSGLLWFWLPNIGFSS<br>SVDETGVDSKNDVQRSAPIQTQPEARPEAELPKKQEKAGWFRFPKLGFSSTPTKKS                                                                                       |

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|                       |                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------|
|                       | KSTEDGAELEEQKLQEETITFFDARESFSPEEKEEGELIGPVGTGLDSRVMVMTSAAR<br>TELILPEQDRKADDESKGSGGLGPNEG                         |
| <b>Applications</b>   | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.                                            |
| <b>Storage</b>        | Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.                                           |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                          |

## GENE INFORMATION

|                        |                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | AHNAK2 AHNAK nucleoprotein 2 [ Homo sapiens ]                                                                     |
| <b>Official Symbol</b> | AHNAK2                                                                                                            |
| <b>Synonyms</b>        | AHNAK2; AHNAK nucleoprotein 2; C14orf78, chromosome 14 open reading frame 78; protein AHNAK2; C14orf78; KIAA2019; |
| <b>Gene ID</b>         | 113146                                                                                                            |
| <b>mRNA Refseq</b>     | NM_138420                                                                                                         |
| <b>Protein Refseq</b>  | NP_612429                                                                                                         |
| <b>MIM</b>             | 608570                                                                                                            |

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UniProt ID

Q8IVF2

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