# Recombinant Human SPEG cell lysate

**Cat. No.** SPEG-1680HCL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | |
| **Species** | Human |
| **Description** | Expression of this gene is thought to serve as a marker for differentiated vascular smooth muscle cells which may have a role in regulating growth and differentiation of this cell type. The encoded protein is highly similar to the corresponding rat and mouse proteins. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of only one variant has been defined. |
| **Size** | 100 ul |
| **Storage Buffer** | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue) |
| **Applications** | Western Blot; |

## GENE INFORMATION

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| **Gene Name** | SPEG SPEG complex locus [ Homo sapiens ] |
| **Official Symbol** | SPEG |
| **Synonyms** | SPEG; SPEG complex locus; aortic preferentially expressed gene 1 , APEG1; striated muscle preferentially expressed protein kinase; BPEG; KIAA1297; MGC12676; SPEGalpha; SPEGbeta; aortic preferentially expressed gene 1; aortic preferentially |

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|---|---|
| | expressed protein 1; nuclear protein, marker for differentiated aortic smooth muscle and down-regulated with vascular injury; APEG1; APEG-1; |
| **Gene ID** | 10290 |
| **mRNA Refseq** | NM_001173476 |
| **Protein Refseq** | NP_001166947 |
| **UniProt ID** | Q15772 |
| **Chromosome Location** | 2q35 |
| **Function** | ATP binding; nucleotide binding; protein serine/threonine kinase activity; |

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