

# Recombinant Full Length Human GAS2 Protein, GST-tagged

**Cat. No.** GAS2-5448HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GAS2 full-length ORF ( NP_005247.1, 1 a.a. - 313 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>    | 313 amino acids                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | The protein encoded by this gene is a caspase-3 substrate that plays a role in regulating microfilament and cell shape changes during apoptosis. It can also modulate cell susceptibility to p53-dependent apoptosis by inhibiting calpain activity. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 61.3 kDa                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MCTALSPKVRSGPGLSDMHQYSQWLASRHEANLLPMKEDLALWLTNLLGKEITAET<br>FMEKLDNGALLCQLAETMQEKFKESMDANKPTKNLPLKKIPCKTSAPSGSFFARDNT<br>ANFLSWCRDLGVDETCLFESEGLVLHKQPREVCLCLELGRIAARYGVEPPGLIKLE<br>KEIEQEETLSAPSPSPSPSSKSSGKKSTGNLLDDAVKRISEDPCKCPNKFCVERLS<br>QGRYRVGEKILFIRMLHNKHVMVRVGGGWETFAGYLLKHDP CRMLQISRVDGKTSP<br>IQSKSPTLKDMNPDNYLVVSASYKAKKEIK                        |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                 |

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|                       |                                                                            |
|-----------------------|----------------------------------------------------------------------------|
|                       | 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 -80 centigrade. 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>       | GAS2 growth arrest-specific 2 [ Homo sapiens ]                                     |
| <b>Official Symbol</b> | GAS2                                                                               |
| <b>Synonyms</b>        | GAS2; growth arrest-specific 2; growth arrest-specific protein 2; GAS-2; MGC32610; |
| <b>Gene ID</b>         | 2620                                                                               |
| <b>mRNA Refseq</b>     | NM_001143830                                                                       |
| <b>Protein Refseq</b>  | NP_001137302                                                                       |
| <b>MIM</b>             | 602835                                                                             |
| <b>UniProt ID</b>      | O43903                                                                             |

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