

# Recombinant Human GALK2 Protein, GST-tagged

**Cat. No.** GALK2-4683H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GALK2 full-length ORF ( AAH05141, 1 a.a. - 458 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | This gene encodes a highly efficient N-acetylgalactosamine (GalNAc) kinase, which has galactokinase activity when galactose is present at high concentrations. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 76.01 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | <p>MATESPATRRVQVAEHPRLCLKEMFNSKFGSIPKFYVRAPGRVNIIGEHDYCGYSV</p> <p>LPMAVEQDVLIAVEPVKTYALQLANTNPLYPDFSTSANNIQIDKTKPLWHNYFLCGLK</p> <p>GIQEHFGLSNLTGMNCLVDGNIPPSSGLSSSSALVCCAGLVTLTVLGRNLSKVELAEI</p> <p>CAKSERYIGTEGGGMDQSSISFLAEEGTAKLIEFSPLRATDVKLPSGAVFVIANSCVEM</p> <p>NKAATSHFNIRVMCRLAAKLLAKYKSLQWDKVLRLIEVQAKLGISLEEMLLVTEDAL</p> <p>HPEPYNPEEICRCLGISLEELRTQILSPNTQDVLIFKLYQRAKHVYSEAARVLQFKKIC</p> <p>EEAPENMVQLLGELMNQSHMSCRDMYECSCPELDQLVDICRKFGAQGSRLTGAG</p> <p>WGGCTVSMVPADKLPSFLANVHKAYYQRSDGSLAPEKQSLFATKPGGGALVLLEA</p> |
| <b>Applications</b>     | <p>Enzyme-linked Immunoabsorbent Assay</p> <p>Western Blot (Recombinant protein)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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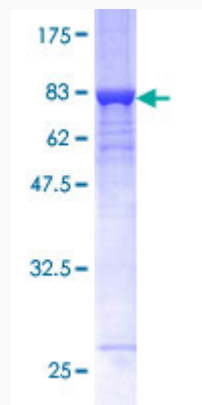
|                         |                                                                                    |
|-------------------------|------------------------------------------------------------------------------------|
|                         | Antibody Production<br>Protein Array                                               |
| <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.           |
| <b>GENE INFORMATION</b> |                                                                                    |
| <b>Gene Name</b>        | GALK2 galactokinase 2 [ Homo sapiens ]                                             |
| <b>Official Symbol</b>  | GALK2                                                                              |
| <b>Synonyms</b>         | GALK2; galactokinase 2; N-acetylgalactosamine kinase; GK2; galNAc kinase; MGC1745; |
| <b>Gene ID</b>          | 2585                                                                               |
| <b>mRNA Refseq</b>      | NM_001001556                                                                       |
| <b>Protein Refseq</b>   | NP_001001556                                                                       |
| <b>MIM</b>              | 137028                                                                             |
| <b>UniProt ID</b>       | Q01415                                                                             |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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