

## Recombinant Full Length Human XAGE2 Protein, C-Flag-tagged

**Cat. No.** XAGE2-1268HFL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human XAGE2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | This gene is a member of the XAGE subfamily, which belongs to the GAGE family. The GAGE genes are expressed in a variety of tumors and in some fetal and reproductive tissues. This gene is strongly expressed in normal testis, and in Ewing's sarcoma, rhabdomyosarcoma, a breast cancer and a germ cell tumor. The protein encoded by this gene shares a sequence similarity with other GAGE/PAGE proteins. Because of the expression pattern and the sequence similarity, this protein also belongs to a family of CT (cancer-testis) antigens. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 12.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MSWRGRSTYRPRPRRSLQPPELIGAMLEPTDEEPKEEKPPTKSRNPTPDQKREDD<br>QGAAEIQVPDLEADLQELCQTKTGDGCEGGTDVKGKILPKAEHFKMPEAGEGKSQV<br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>       | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b> | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Full Length</b>   | Full L.                                                                                                                                       |

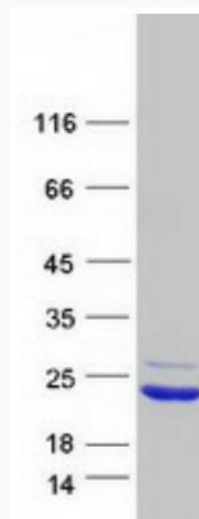
## GENE INFORMATION

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| <b>Gene Name</b>       | XAGE2 X antigen family member 2 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | XAGE2                                                    |
| <b>Synonyms</b>        | CT12.2; GAGED3; XAGE-2; XAGE2B                           |
| <b>Gene ID</b>         | 9502                                                     |
| <b>mRNA Refseq</b>     | NM_130777.3                                              |
| <b>Protein Refseq</b>  | NP_570133.1                                              |
| <b>MIM</b>             | 300416                                                   |
| <b>UniProt ID</b>      | Q96GT9                                                   |

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Coomassie blue staining of purified XAGE2 protein.

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