

# Recombinant Human UL48, GST-tagged

**Cat. No.** UL48-1901H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Recombinant human GST-VP16 was expressed in <i>E. coli</i> strain that carries the coding sequence of the fused protein under the control of a T7 promoter.                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Herpes virus VP16 activates expression of immediate early genes in virally-infected cells. As most other eukaryotic transcriptional activator proteins, VP16 has a modular domain structure: it's N-terminus is involved in DNA-protein interactions, while it's C-terminal 79 amino acids have proven to be an especially potent transactivation domain. VP16 has been shown to bind to TBP, TFIIB, and replication factor A. |
| <b>Purity</b>           | Protein is greater than 95% homogeneous and based on SDS-PAGE analysis. 1 unit equals 1 nanogram of purified protein. 100 units (ng) are sufficient for a protein-protein interaction assay.                                                                                                                                                                                                                                   |
| <b>Application</b>      | GST-VP16 has been applied in protein-protein interactions assays.                                                                                                                                                                                                                                                                                                                                                              |
| <b>Formulation</b>      | Variable in different lots. 1x dilution buffer A: 20 mM Tris-Cl (pH 8.0), 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA.                                                                                                                                                                                                                                                                                                  |

## GENE INFORMATION

|                  |                                                                    |
|------------------|--------------------------------------------------------------------|
| <b>Gene Name</b> | UL48 transactivating tegument protein VP16 [ Human herpesvirus 2 ] |
|------------------|--------------------------------------------------------------------|

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|                |                                                                                  |
|----------------|----------------------------------------------------------------------------------|
| Synonyms       | UL48;transactivating tegument protein VP16; transactivates immediate early genes |
| Gene ID        | 1487335                                                                          |
| Protein Refseq | NP_044518                                                                        |

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