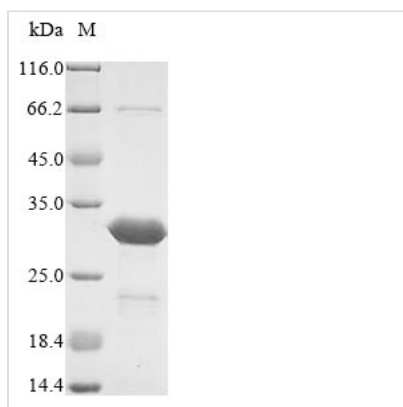




# Recombinant Vaccinia virus RNA-binding protein OPG065 (OPG065)

<b>Product Code</b>	CSB-EP322729VAA
<b>Relevance</b>	The C-terminus binds to and sequesters double-stranded RNA (dsRNA) synthesized during viral infection. This binding acts to 'mask' the dsRNA thereby preventing recognition and subsequent activation of EIF2AK2/PKR. The N-terminus is required for phosphorylation regulation of the translation initiation factor EIF2S1, but without affecting cytosolic protein translation. Blocks the phosphorylation and subsequent activation of IRF3 and IRF7 kinases, that are required for interferon-alpha (IFN-alpha) gene expression. Also inhibits NF-kappa-B activation and the ubiquitin-like protein G1P2/ISG15, which is an early antiviral protein
<b>Abbreviation</b>	Recombinant Vaccinia virus RNA-binding protein OPG065 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P21081
<b>Storage Buffer</b>	Tris-based buffer,50% glycerol
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Vaccinia virus (strain Copenhagen) (VACV)
<b>Purity</b>	≥ 85% as determined by SDS-PAGE.
<b>Sequence</b>	MSKIYIDERSDAEIVCAAIKNIGIEGATAAQLTRQLNMEKREVNKALYDLQRSAM VYSSDDIPPRWFMTTEADKPDADAMADVIIDDVSREKSMREDHKSFDDVIPAK KIIDWKDANPVTIINEYCQITKRDFWSFRIESVGPSNSPTFYACVDIDGRVFDKAD GKSKRDAKNNAAKLAVDKLLGYVIIRF
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	OPG065
<b>Protein Names</b>	p25
<b>Expression Region</b>	1-190aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	28.5 kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Shelf Life

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