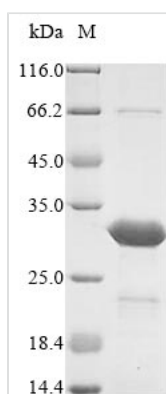




Recombinant Vaccinia virus RNA-binding protein OPG065 (OPG065)

Product Code	CSB-EP322729VAA
Relevance	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
Abbreviation	Recombinant Vaccinia virus RNA-binding protein OPG065 protein
Storage	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.
Uniprot No.	P21081
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Vaccinia virus (strain Copenhagen) (VACV)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MSKIYIDERSDAEIVCAAIAKNIGIEGATAAQLTRQLNMEKREVNKALYDLQRSAM VYSSDDIPPRWFMTTEADKPDADAMADVIIDVVSREKSMREDHKSFDDVIPAK KIIDWKDANPVTIINEYCQITKRDWSFRIESVGPSNSPTFYACVDIDGRVFDKAD GKSKRDAKNNAAKLAVDKLLGYVIIRF
Research Area	Others
Source	E.coli
Target Names	OPG065
Protein Names	p25
Expression Region	1-190aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	28.5 kDa
Protein Length	Full Length
Image	



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

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