

Recombinant Epstein-Barr Virus LMP2 Protein (1-147 aa), His-SUMO-tagged

Cat. No. LMP2-2066E **Lot. No.** (See product label)

SPECIFICATION

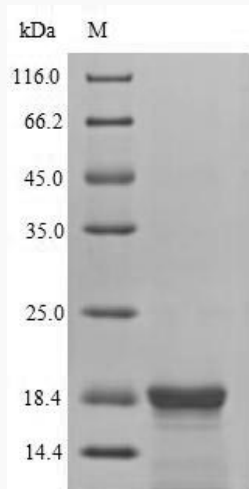
Product Overview	Recombinant Epstein-Barr Virus (strain B95-8) (HHV-4) (Human herpesvirus 4) LMP2 Protein (1-147 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cell Biology. Protein Description: Partial.
Species	HHV4
Source	E.coli
ProteinLength	1-147 aa
Description	Isoform LMP2A maintains EBV latent infection of B-lymphocyte, by preventing lytic reactivation of the virus in response to surface immunoglobulin (slg) cross-linking. Acts like a dominant negative inhibitor of the slg-associated protein tyrosine kinases, LYN and SYK. Also blocks translocation of the B-cell antigen receptor (BCR) into lipid rafts, preventing the subsequent signaling and accelerated internalization of the BCR upon BCR cross-linking. Serves as a molecular scaffold to recruit SYK, LYN and E3 protein-ubiquitin ligases, such as ITCH and NEDD4L, leading to ubiquitination and potential degradation of both tyrosines kinases. Possesses a constitutive signaling activity in non-transformed cells, inducing bypass of normal B lymphocyte developmental checkpoints allowing immunoglobulin-negative cells to colonize peripheral lymphoid organs. Isoform LMP2B may be a negative regulator of isoform LMP2A.

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Form	Tris-based buffer,50% glycerol
Molecular Mass	31.6 kDa
AA Sequence	MGSLEMVPMGAGPPSPGGDPDGYDGGNNSQYPSASGSSGNTPTPPNDEERESN EEPPPPYEDPYWGNNGDRHSDYQPLGTQDQSLYLGLQHDGNDGLPPPPYSPRDDS SQHIYEEAGRGSMNPVCLPVIVAPYLFWLAAIAASCFTAS
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Synonyms	LMP2; Terminal protein;
UniProt ID	P13285



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

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