

Product Information	
Product	Recombinant Lumpy Skin Disease Virus P32 Protein, LSDV p32
Product Code	SP1012
Package Size	0.5mg
Source	Expressed in E Coli
Form	Lyophilized powder or liquid
Conjugate	Unconjugated
Storage	-20°C for long term storage and normal temperature for shipment.
Product Description	
Description	<p>Lumpy skin disease is a viral disease that affects cattle. It is transmitted by blood-feeding insects, such as certain species of flies and mosquitoes, or ticks. It causes fever, nodules on the skin and can also lead to death, especially in animals that have not previously been exposed to the virus. Control options include vaccinations and culling of infected animals. Lumpy skin disease can lead to significant economic losses.</p> <p>The P32 gene corresponds to an envelope protein and is homologous to the P35 protein encoded by vaccinia virus H3L gene and is located on the membrane surface of a mature intracellular viral particle.</p> <p>The P32 gene is highly conserved among capripoxviruses and has been used by researchers as a diagnostic tool for serological surveillance of LSDV.</p>
Accession #	OR402098 / OP807849.1
Gene Symbol	p32
Uniprot ID	A0A1X9PQ82
Application Notes	<p>This product is only for research use. Dissolve the product with distilled water 1:100 as stock solution. The optimum dilution for assay application shall be determined by the end user.</p> <p>For the ELISA testing, this product can be used as the coating antigen, while the anti-bovine IgG mouse monoclonal antibody HRP conjugate can be used as the secondary antibody.</p> <p>For the LFIA testing, this product can also be conjugated to colloid gold particles as the conjugate.</p>
References	
<ol style="list-style-type: none"> 1. Lumpy Skin Disease – WOAHA – World Organisation for Animal Health 2. Lumpy skin disease EFSA (europa.eu) 3. Tursunov K, Tokhtarova L, Kanayev D, Mustafina R, Mukantayev K. Effect of thioredoxin on the immunogenicity of the recombinant P32 protein of lumpy skin disease virus. Vet World. 2022 Oct;15(10):2384-2390. doi: 10.14202/vetworld.2022.2384-2390. Epub 2022 Oct 11. PMID: 36425142; PMCID: PMC9682398. 	