



# Recombinant Monkeypox Virus B10R Protein [His] (DAG-WT1007)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                         |                                                                        |
|-------------------------|------------------------------------------------------------------------|
| <b>Purity</b>           | > 95 % as determined by HPLC                                           |
| <b>Conjugate</b>        | His                                                                    |
| <b>Applications</b>     | ELISA, LFIA                                                            |
| <b>Molecular Weight</b> | 35 kDa                                                                 |
| <b>Format</b>           | Liquid                                                                 |
| <b>Concentration</b>    | Batch dependent - please inquire should you have specific requirements |
| <b>Size</b>             | 100 µg                                                                 |
| <b>Buffer</b>           | PBS, pH7.4, 8M Urea                                                    |
| <b>Preservative</b>     | None                                                                   |
| <b>Storage</b>          | Store at -20°C                                                         |

## BACKGROUND

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Introduction</b> | Monkeypox virus (MPV or MPXV) is a double-stranded DNA virus that causes monkeypox in humans and other animals. It belongs to the genus Orthopoxvirus in the family Poxviridae. It is one of the human orthopoxviruses that includes variola (VARV), cowpox (CPX), and vaccinia (VACV) viruses. It is not a direct ancestor to, nor a direct descendant of, the variola virus, which causes smallpox. Monkeypox disease is similar to smallpox, but with a milder rash and lower mortality rate. Variation in virulence of the virus has been observed in isolates from Central Africa, where strains are more virulent than those from Western Africa. The two areas have |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

distinct clades of the virus, termed Congo Basin (Central African) and West African clades.

---

**Keywords**

Monkeypox Virus; MPXV; B10R

---