

## 32-8699: Recombinant Vaccinia Virus Soluble Interferon $\alpha$ / beta receptor B18(Discontinued)

**Gene :** VACWR200

**Gene ID :** 3707577

**Uniprot ID :** P25213

### Description

Source: Human Cells.

MW :39.2kD.

Recombinant Vacciniavirus B18R is produced by our Mammalian expression system and the target gene encoding His20-Glu351 is expressed with a 6His tag at the C-terminus. B18R, also known as B19R in the Copenhagen strain of Vaccinia, is a type I interferon (IFN)-binding protein encoded by the B18R open reading frame in the Western Reserve strain of vaccinia virus. B18R exists in two forms, soluble and membrane-bound form and also has a broad species specificity. B18R has high affinity for human IFN- $\alpha$  and also binds rabbit, bovine, rat, pig, and mouse IFN- $\alpha$  and IFN- $\beta$ . Secreted B18R binds to uninfected and infected cells. B18R presents at the cell surface and protects cells from the antiviral state. It has shown that binding of soluble recombinant B18R protects cultured cells from IFN and allows vaccinia virus replication.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g

**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of PBS,pH7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** HSYAIDIENEITEFFNKMRTLPKADSKWLNPAACMFGGTMNDIAALGEPFSAKCPPIEDSLLSHRYKDYVVKWER  
LEKNRRRQVSNKRVKHGDLDWIANYSKFSNRRYLCTVTTKNGDCVQGIVRSHIRKPPSCIPKTYELGTHDKYGI  
DLYCGILYAKHYNNITWYKDNKEINIDDIKYSQTGKELIHNPELEDSGRYDCYVHYDDVRIKNDIVVSRCKILTVIP  
SQDHRFKLILDPKINVTIGEPANITCTAVSTSLIDVLIWENPSGWLIGFDVYSVLTSRGGITEATLYFENV  
EYIGNTYKCRGHNYFEKTLTTTVLEHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.