

# PE-Labeled Human EGFRVIII Protein

Cat. No. EG8-HM154P

## Description

<b>Source</b>	Recombinant PE-Labeled Human EGFRVIII Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Leu25-Ser378.
<b>Accession</b>	P00533-1
<b>Molecular Weight</b>	The protein has a predicted MW of 41.6 kDa same as Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE

## Formulation and Storage

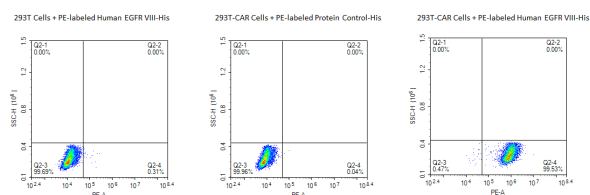
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

## Background

The epidermal growth factor receptor (EGFR) is overexpressed in a variety of human epithelial tumors, often as a consequence of gene amplification. Tumors with EGFR gene amplification frequently contain EGFR gene rearrangements, with the most common extracellular domain mutation being EGFRVIII. This mutation leads to a deletion of exons 2-7 of the EGFR gene and renders the mutant receptor incapable of binding any known ligand.

## Assay Data

### FACS Data



### FACS Analysis of Anti-EGFRVIII CAR

Expression. 293T cells were transfected with anti-EGFRVIII-scFv and His tag. Cells were incubated with PE-Labeled Human EGFRVIII, His Tag and PE-labeled protein control. Non-transfected 293T cells and PE-labeled protein control were used as negative control.