



Datasheet for ABIN7274519

EGFRviii Protein (AA 25-378) (FITC,His-Avi Tag)



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2 Images

Overview

Quantity:	100 µg
Target:	EGFRviii (EGFRv3)
Protein Characteristics:	AA 25-378
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EGFRviii protein is labelled with FITC,His-Avi Tag.

Product Details

Purpose:	FITC-Labeled Human EGFRVIII Protein
Sequence:	Leu25-Ser378
Characteristics:	Recombinant FITC-Labeled Human EGFRVIII Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Leu25-Ser378.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	EGFRviii (EGFRv3)
Alternative Name:	EGFRVIII (EGFRv3 Products)

Target Details

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.
Molecular Weight:	41.6 kDa. Due to glycosylation, the protein migrates to 68-80 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_001333870

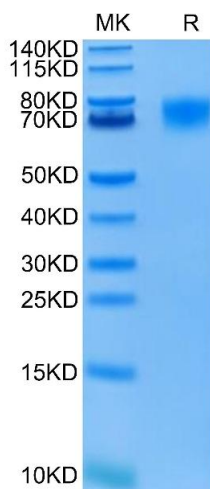
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	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 minimize freeze-thaw cycles.
Expiry Date:	12 months

Images



SDS-PAGE

Image 1. FITC-Labeled Human EGFRVIII on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Flow Cytometry

Image 2. FACS Analysis of Anti-EGFRVIII CAR Expression. 293T cells were transfected with anti-EGFRVIII-scFv and His tag. Cells were incubated with FITC-Labeled Human EGFRVIII, His Tag and FITC-labeled protein control. Non-transfected 293T cells and FITC-labeled protein control were used as negative control.

