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Datasheet for ABIN7504461  
**LY6G6D Protein (AA 20-104) (His tag)**

### Overview

Quantity:	100 µg
Target:	LY6G6D
Protein Characteristics:	AA 20-104
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LY6G6D protein is labelled with His tag.

### Product Details

Purpose:	Cynomolgus LY6G6D Protein
Sequence:	Asn20-Ser104
Characteristics:	Recombinant Cynomolgus LY6G6D Protein is expressed from HEK293 with His tag at the N-terminus. It contains Asn20-Ser104.
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:	LY6G6D
Alternative Name:	LY6G6D ( <a href="#">LY6G6D Products</a> )

## Target Details

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**Background:** LY6G6D is a selectively expressed colorectal cancer antigen that can be used for targeting a therapeutic T-cell response by a T-cell engager. LY6G6D was identified as a selectively expressed CRC antigen that can be utilized to potentially re-direct and activate cytotoxic T-cells to lyse LY6G6D expressing CRC using a TcE. This effect can be spread to target negative neighboring tumor cells, potentially leading to improved therapeutic efficacy.

**Molecular Weight:** 10.22 kDa. Due to glycosylation, the protein migrates to 14-24 kDa based on Tris-Bis PAGE result.

**NCBI Accession:** [XP\\_045246087](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Reconstitution:** Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

**Buffer:** Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

**Storage:** -20 °C, -80 °C

**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months