

## Product datasheet for **TP725538**

### Cynomolgus Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Cynomolgus GUCY2C (C-hFc)
<b>Species:</b>	Cynomolgus
<b>Expression cDNA Clone or AA Sequence:</b>	Ser24-Gln430
<b>Tag:</b>	C-hFc
<b>Buffer:</b>	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4
<b>Note:</b>	Recombinant Cynomolgus GUCY2C (C-hFc) is produced by Human Cells. The target gene encoding Ser24-Gln430 is expressed with a C-hFc tag.
<b>Stability:</b>	12 months from date of despatch
<b>Summary:</b>	GUCY2C (Guanylyl Cyclase C), also known as heat-stable enterotoxin receptor, is a type I transmembrane protein of the guanylate cyclase (gc) family that signal by producing cGMP. Guanylate cyclase C (GUCY2C) and its hormones guanylin and uroguanylin have recently emerged as one paracrine axis defending intestinal mucosal integrity against mutational, chemical, and inflammatory injury. GUCY2C murine CAR-T cells recognized and killed human colorectal cancer cells endogenously expressing GUCY2C. Thus, we have identified a human GUCY2C-specific CAR-T cell therapy approach that may be developed for the treatment of GUCY2C-expressing metastatic colorectal cancer.



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