

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



GCS- β -2 (V102) Peptide

Cat No.: BS3445P

Background

Guanylate cyclases belong to the adenylyl cyclase class-4/guanylyl cyclase family. There are two forms of guanylate cyclase. The soluble form, known as GCS or sGC, act as receptors for nitric oxide. The membrane-bound receptor form, known as GC, are peptide hormone receptors. GCS is a cGMP-synthesizing enzyme, which is the major receptor for the neurotransmitter nitric oxide (NO). It plays a crucial role in smooth muscle contractility, platelet reactivity and neurotransmission. GCS is a heme containing heterodimer, consisting of one 72 kDa alpha subunit and one 65 kDa beta subunit. The heme moiety mediates NO activation, and this heme group also binds carbon monoxide, which weakly stimulates the enzyme.

Swiss-Prot

O75343

Applications

Blocking

Specificity

This peptide can be used with studies using BS3445 GCS- β -2 (V102) pAb.

Purification & Purity

Synthetic peptide GCS- β -2 (V102). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.