# Product Data Sheet

**Product Name:** Anti-BetaGamma (MPS-Phosducin-like protein C terminus)

**Catalog Number:**
- AS-24177 (0.5 mg)
- AS-24178 (1 mg)

**Lot Number:** See label on vial

**Sequence:**

AAVALLPAVLLAVTDQLGEDFFAVDEALQEFGLLPEKE (1-letter code)

**Molecular Weight:** 4601.4

**Peptide Purity:** >95%

**Appearance:** Lyophilized white powder

**Peptide Reconstitution:**
Initially, try to dissolve a small amount of Anti-BetaGamma peptide in water. If peptide does not dissolve, Anti-BetaGamma peptide is freely soluble in 1% NH₄OH.

**Storage:** Anti-BetaGamma peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at –20°C or lower. Reconstituted peptide can be aliquoted and stored at –20 °C or lower.


**Additional Information:**
Listed below are relevant information that may provide a guideline on how to use this product. End users will have to adapt to their own specific applications.

The anti-βγ peptide was obtained from AnaSpec, Inc (San Jose, CA). PC12-H₃ and PC12-H₃/β-ARK1 cells cultured in 12-well plates and differentiated with NGF (100 ng/ml) for 5 to 7 days were incubated with drugs for 5 min. When CBP or the anti-βγ peptide was used, cells were incubated with these compounds for 5 min before incubation with imetit. For pertussis toxin (PTX) treatment, cells were incubated for 24 h with PTX (200 ng/ml) before assay. Dopamine exocytosis was elicited by incubating samples for 5 min with K⁺ 100 mM (osmolarity was maintained constant by adjusting the NaCl concentration), phorbol 12-myristate 13-acetate (PMA; 300 nM), or for 20 min with forskolin (10 μM)- Morrey, C. et al. *J Pharmacol Exp Ther* **326**, 871 (2008).

**Published Citations:**


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