

## Product datasheet

# CGRP (hu, Mod Asp3 to Pra) ab146956

### Overview

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<b>Product name</b>	CGRP (hu, Mod Asp3 to Pra)
<b>Description</b>	Endogenous vasodilatory neuropeptide.
<b>Purity</b>	> 95%
<b>General notes</b>	CGRP (hu, Mod Asp3 to Pra) ab146956 is a 37 amino acid neuroendocrine hormone that belongs to the calcitonin (CT) family. It is a vasodilator and plays an important role in neurogenic inflammation, and therefore has gained significant interest for the treatment of migraine. CGRP exerts effects through the CGRP receptor. To probe receptor binding, labelling with TAMRA azide, 5- isomer, Orange emitting fluorescent dye ( <a href="#">ab146486</a> ), using Cu(I)-catalysed azide-alkyne cycloaddition (CuAAC) to position 3 of human $\alpha$ CGRP, generates a potent fluorescent CGRP.

### Properties

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<b>Chemical name</b>	ACDTATCVTHRLAGLLSRSGGVVKNFVPTNVGSKAF (Modifications: Asp-3 = Pra; C-terminal amide; Disulfide bonds: 2-7)
<b>Molecular weight</b>	3770.33
<b>Molecular formula</b>	$C_{164}H_{266}N_{50}O_{48}S_2$
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Store under desiccating conditions.
<b>Solubility overview</b>	Soluble in water to 1mg/ml
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>Source</b>	Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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