SOMAmer® anti-Peptide YY Reagent

DESCRIPTION

<table>
<thead>
<tr>
<th>SOMAmer Reagent No.</th>
<th>B-3727-35_1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein Target</td>
<td>Peptide YY</td>
</tr>
<tr>
<td>Target UniProt ID</td>
<td>P10082</td>
</tr>
<tr>
<td>Species Reactivity</td>
<td>Human</td>
</tr>
<tr>
<td>5' Functional Mod.</td>
<td>Biotinylated Synthetic Oligonucleotide</td>
</tr>
<tr>
<td>Target Source</td>
<td>US Biological, PN 3285-01B</td>
</tr>
<tr>
<td>Formulation</td>
<td>Buffered SOMAmer reagent delivered at 10 μM in 5 mM HEPES, 1 mM EDTA, pH 8</td>
</tr>
</tbody>
</table>

ACTIVITY

SOMAmer reagents have been qualified for target affinity capture in conjunction with numerous downstream applications. Specific protocols should be determined for the intended use. General application notes are available on our website (http://www.somalogic.com/Resources/App-notes.aspx).

Specificity

No binding was observed with NPY or PH.

Affinity

The K_d for Peptide YY binding to the SOMAmer reagent, measured by Streptavidin Affinity method, is typically 7 x 10^-9 M. See Certificate of Analysis for details.

HANDLING and STORAGE

Handling

Heat/cool treatment on material ready for use (not stocks) is recommended (e.g. heat the reagent to 95 °C for 5 minutes, then cool to assay temperature).

Shipping

The product is shipped frozen. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage

For long term use, aliquotting is recommended to avoid freeze-thaw cycles.

• 2 years from date of receipt at -20 °C to -70 °C, as supplied
• 3 months at 4 °C

TARGET FUNCTION

This gut peptide inhibits exocrine pancreatic secretion, has a vasoconstrictory action and inhibits jejunal and colonic mobility. (Source: The UniProt Consortium, Activities at the Universal Protein Resource (UniProt), Nucleic Acids Res. 42: D191-D198 (2014).)