

## Uroguanylin (human)

Cat. No.:	HY-P3099
CAS No.:	154525-25-4
Molecular Formula:	C <sub>64</sub> H <sub>102</sub> N <sub>18</sub> O <sub>26</sub> S <sub>4</sub>
Molecular Weight:	1667.86
Sequence:	Asn-Asp-Asp-Cys-Glu-Leu-Cys-Val-Asn-Val-Ala-Cys-Thr-Gly-Cys-Leu (Disulfide bridge: Cys4-Cys12,Cys7-Cys15)
Sequence Shortening:	NDDCELCVNVACTGCL (Disulfide bridge: Cys4-Cys12,Cys7-Cys15)
Target:	Guanylate Cyclase
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Uroguanylin (human) is a natural ligand for the Guanylyl Cyclase (GCC) receptor expressed in metastatic colorectal cancer tumors. Uroguanylin (human) has anti-tumor actions in an animal model for human colon cancer<sup>[1][2]</sup>.

### REFERENCES

[1]. Lewis DK, et al. Hypertrehalosemic hormone in a cockroach: molecular cloning and expression. Mol Cell Endocrinol. 1997;130(1-2):101-108.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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