

Resource Summary Report

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NeuroPep

RRID:SCR_023102

Type: Tool

Proper Citation

NeuroPep (RRID:SCR_023102)

Resource Information

URL: <http://isyslab.info/NeuroPep/>

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Description: Comprehensive resource of neuropeptides, which holds non-redundant neuropeptide entries. Data collected from resources including MEDLINE abstracts, full papers, UniProt, database at www.neuropeptides.nl and Neuropedia. Contains detailed annotations for each entry, including source organisms, tissue specificity, families, names, post-translational modifications, 3D structures and literature references. Amino acid compositions, isoelectric points, molecular weight and other physicochemical properties of peptides are also provided. Search database with keywords such as sequence, name, family, etc., User friendly web tools like browsing, sequence alignment and mapping are also integrated. Users can submit new entries online. Each new entry is validated before incorporating it.

Resource Type: data or information resource, database

Defining Citation: [PMID:25931458](#)

Keywords: neuropeptide database, neuropeptide, non-redundant neuropeptide,

Funding: National Natural Science Foundation of China ;
Fundamental Research Funds for the Central Universities of China

Availability: Free, Freely available

Resource Name: NeuroPep

Resource ID: SCR_023102

Record Creation Time: 20230105T050209+0000

Record Last Update: 20260815T182923+0000

Ratings and Alerts

No rating or validation information has been found for NeuroPep.

No alerts have been found for NeuroPep.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Murphy FH, et al. (2025) RIM and MUNC13 membrane-binding domains are essential for neuropeptide secretion. *The Journal of cell biology*, 224(7).

Zhang H, et al. (2025) NeuroScale: evolutionary scale-based protein language models enable prediction of neuropeptides. *BMC biology*, 23(1), 142.

Lei Q, et al. (2025) Transcriptome-Wide Identification of Neuropeptides and Neuropeptide Receptors in the Twenty-Eight-Spotted Ladybird *Henosepilachna vigintioctopunctata*. *Insects*, 16(6).

Xiao B, et al. (2025) A comprehensive dataset of therapeutic peptides on multi-function property and structure information. *Scientific data*, 12(1), 1213.

Pintado-Grima C, et al. (2023) aSynPEP-DB: a database of biogenic peptides for inhibiting α -synuclein aggregation. *Database : the journal of biological databases and curation*, 2023.

Madsen TD, et al. (2020) An atlas of O-linked glycosylation on peptide hormones reveals diverse biological roles. *Nature communications*, 11(1), 4033.

Tai KY, et al. (2020) Selected neuropeptide genes show genetic differentiation between Africans and non-Africans. *BMC genetics*, 21(1), 31.

Mailhot B, et al. (2020) Neuronal interleukin-1 receptors mediate pain in chronic inflammatory diseases. *The Journal of experimental medicine*, 217(9).

Vyvers A, et al. (2018) Screening of 109 neuropeptides on ASICs reveals no direct agonists and dynorphin A, YFMRFamide and endomorphin-1 as modulators. *Scientific reports*, 8(1), 18000.

Wang Y, et al. (2015) NeuroPep: a comprehensive resource of neuropeptides. *Database : the journal of biological databases and curation*, 2015, bav038.