

# Perlecan

- 1: Adachi H, Morizane A, Torikoshi S, Raudzus F, Taniguchi Y, Miyamoto S, Sekiguchi K, Takahashi J. Pretreatment with Perlecan-Conjugated Laminin-E8 Fragment Enhances Maturation of Grafted Dopaminergic Progenitors in Parkinson's Disease Model. *Stem Cells Transl Med.* 2022 Jul 20;11(7):767-777. doi: 10.1093/stcltm/szac033. PMID: 35605097; PMCID: PMC9299512.
- 2: Hayes AJ, Farrugia BL, Biose IJ, Bix GJ, Melrose J. Perlecan, A Multi- Functional, Cell-Instructive, Matrix-Stabilizing Proteoglycan With Roles in Tissue Development Has Relevance to Connective Tissue Repair and Regeneration. *Front Cell Dev Biol.* 2022 Apr 1;10:856261. doi: 10.3389/fcell.2022.856261. PMID: 35433700; PMCID: PMC9010944.
- 3: Nguyen B, Bix G, Yao Y. Basal lamina changes in neurodegenerative disorders. *Mol Neurodegener.* 2021 Dec 7;16(1):81. doi: 10.1186/s13024-021-00502-y. PMID: 34876200; PMCID: PMC8650282.
- 4: Melrose J, Hayes AJ, Bix G. The CNS/PNS Extracellular Matrix Provides Instructive Guidance Cues to Neural Cells and Neuroregulatory Proteins in Neural Development and Repair. *Int J Mol Sci.* 2021 May 25;22(11):5583. doi: 10.3390/ijms22115583. PMID: 34070424; PMCID: PMC8197505.
- 5: Amruta N, Rahman AA, Pinteaux E, Bix G. Neuroinflammation and fibrosis in stroke: The good, the bad and the ugly. *J Neuroimmunol.* 2020 Jul 9;346:577318. doi: 10.1016/j.jneuroim.2020.577318. Epub ahead of print. PMID: 32682140; PMCID: PMC7794086.
- 6: Trout AL, Kahle MP, Roberts JM, Marcelo A, de Hoog L, Boychuk JA, Grupke SL, Berretta A, Gowing EK, Boychuk CR, Gorman AA, Edwards DN, Rutkai I, Biose IJ, Ishibashi-Ueda H, Ihara M, Smith BN, Clarkson AN, Bix GJ. Perlecan Domain-V Enhances Neurogenic Brain Repair After Stroke in Mice. *Transl Stroke Res.* 2021 Feb;12(1):72-86. doi: 10.1007/s12975-020-00800-5. Epub 2020 Apr 7. PMID: 32253702; PMCID: PMC7803718.
- 7: Trout AL, Rutkai I, Biose IJ, Bix GJ. Review of Alterations in Perlecan- Associated Vascular Risk Factors in Dementia. *Int J Mol Sci.* 2020 Jan 20;21(2):679. doi: 10.3390/ijms21020679. PMID: 31968632; PMCID: PMC7013765.
- 8: Salmeron KE, Maniskas ME, Edwards DN, Wong R, Rajkovic I, Trout A, Rahman AA, Hamilton S, Fraser JF, Pinteaux E, Bix GJ. Interleukin 1 alpha administration is neuroprotective and neuro-restorative following experimental ischemic stroke. *J Neuroinflammation.* 2019 Nov 14;16(1):222. doi: 10.1186/s12974-019-1599-9. PMID: 31727174; PMCID: PMC6857151.
- 9: Ma XL, Shang F, Ni W, Zhu J, Luo B, Zhang YQ. Increased HSPG2 expression independently predicts poor survival in patients with oligoastrocytoma and oligodendrogloma. *Eur Rev Med Pharmacol Sci.* 2018 Oct;22(20):6853-6863. doi: 10.26355/eurrev\_201810\_16154. PMID: 30402850.
- 10: Saghizadeh M, Winkler MA, Kramerov AA, Hemmati DM, Ghiam CA, Dimitrijevich SD, Sareen D, Ornelas L, Ghiasi H, Brunkent WJ, Maguen E, Rabinowitz YS, Svendsen CN, Jirsova K, Ljubimov AV. A simple alkaline method for decellularizing human amniotic membrane for cell culture. *PLoS One.* 2013 Nov 13;8(11):e79632. doi: 10.1371/journal.pone.0079632. PMID: 24236148; PMCID: PMC3827346.
- 11: Shay EL, Greer CA, Treloar HB. Dynamic expression patterns of ECM molecules in the developing mouse olfactory pathway. *Dev Dyn.* 2008 Jul;237(7):1837-50. doi: 10.1002/dvdy.21595. PMID: 18570250; PMCID: PMC2787191.

12: Snow AD, Sekiguchi R, Nochlin D, Fraser P, Kimata K, Mizutani A, Arai M, Schreier WA, Morgan DG. An important role of heparan sulfate proteoglycan (Perlecan) in a model system for the deposition and persistence of fibrillar A beta-amyloid in rat brain. *Neuron*. 1994 Jan;12(1):219-34. doi: 10.1016/0896-6273(94)90165-1. PMID: 8292358.

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