

Accepted Manuscript

The flexible cytoplasmic loop 3 contributes to the substrate affinity of human monocarboxylate transporters

Yuya Futagi, Shotaro Sasaki, Masaki Kobayashi, Katsuya Narumi, Ayako Furugen, Ken Iseki

PII: S0005-2736(17)30175-X
DOI: doi:[10.1016/j.bbamem.2017.05.014](https://doi.org/10.1016/j.bbamem.2017.05.014)
Reference: BBAMEM 82507

To appear in: *BBA - Biomembranes*

Received date: 15 November 2016
Revised date: 10 May 2017
Accepted date: 25 May 2017



Please cite this article as: Yuya Futagi, Shotaro Sasaki, Masaki Kobayashi, Katsuya Narumi, Ayako Furugen, Ken Iseki, The flexible cytoplasmic loop 3 contributes to the substrate affinity of human monocarboxylate transporters, *BBA - Biomembranes* (2017), doi:[10.1016/j.bbamem.2017.05.014](https://doi.org/10.1016/j.bbamem.2017.05.014)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

The flexible cytoplasmic loop 3 contributes to the substrate affinity of human monocarboxylate transporters

**Yuya Futagi¹, Shotaro Sasaki^{1, a}, Masaki Kobayashi^{2, b}, Katsuya Narumi¹, Ayako Furugen¹,
and Ken Iseki^{1, 2, b}**

¹Laboratory of Clinical Pharmaceutics & Therapeutics, Division of Pharmasciences, Faculty of Pharmaceutical Sciences, Hokkaido University

Kita-12-jo, Nishi-6-chome, Kita-ku, Sapporo 060-0812, Japan

²Department of Pharmacy, Hokkaido University Hospital, Sapporo 060-8648, Japan

^aPresent address; Faculty of Pharmaceutical Science, Hokuriku University, Ho-3, Kanagawa-machi, Kanazawa 920-1181, Japan

^bTo whom correspondence should be addressed: Laboratory of Clinical Pharmaceutics & Therapeutics, Division of Pharmasciences, Faculty of Pharmaceutical Sciences, Hokkaido University, Kita-12-jo, Nishi-6-chome, Kita-ku, Sapporo 060-0812, Japan, Tel./Fax: +81-11-706-3772/3235 and +81-11-706-3770; E-mail: masaki@pharm.hokudai.ac.jp and ken-i@pharm.hokudai.ac.jp

MCT: monocarboxylate transporter, CHC: α -cyano-4-hydroxycinnamate DIDS: 4,4'-diisothiocyanostilbene-2,2'-disulphonate, hDAT1: human dopamine transporter 1

Download English Version:

<https://daneshyari.com/en/article/5507478>

Download Persian Version:

<https://daneshyari.com/article/5507478>

[Daneshyari.com](https://daneshyari.com)