The PRIMA programme is an Art. 185 initiative supported and funded under Horizon 2020, the European Union's Framework Programme for Research and Innovation'

Deliverable title	**D4.4 Scientific report with data overall collected within WP4**
Deliverable Lead:	UCAM (PARTY3)
Related Work Package:	**WP4 Characterization of thistle aqueous crude extracts (CEs)**
Related Task:	Task 4.4 Purification of proteases from CEs Task 4.5 Biochemical characterization of purified proteases
Author(s)	Luis Tejada Portero
Dissemination level	Public
Due Submission Date:	30.01.2022 (Month 33)
Actual submission:	30.01.2023
Start date of project	**01.05.2019**
Duration	36 months (after project end extension: 48 months)
Abstract	Outcomes from WP4 are herein summarized

Versioning and Contribution History

Version	Date	Modified by	Modification reason
v1.0	15.01.2023	Luis Tejada Portero	First version
V2.0	30.01.2023	Luis Tejada Portero	Comments after peer reviewing process

Table of Contents

Overall outcomes from WP4

Data about crude extracts from spontaneous and cultivated thistles (CE:st and CE_ct, respectively), endowed with milk coagulant activity and bioactive compounds, are detailed in D2.1 and D2.2, respectively.

Data about purification of a protease from CE of *Onopordum tauricum* L. and biochemical characterization of this purified protease are detailed in D3.3.

All these data are also available in the published papers:

- "***Clotting Properties of Onopordum tauricum (Willd.) Aqueous Extract in Milk of Different Species***" by Massimo Mozzon, Roberta Foligni, Cinzia Mannozzi, Federica Zamporlini, Nadia Raffaelli, Aquilanti Foods 2020, 9(6), 692; https://doi.org/10.3390/foods9060692

- "***Potentialities of aqueous extract from cultivated Onopordum tauricum (Willd.) as milk clotting agent for cheesemaking***" by Roberta Foligni , Cinzia Mannozzi, Massimiliano Gasparrini, Nadia Raffaelli, Federica Zamporlini, Luis Tejada, Cindy Bande-De León, Roberto Orsini, Pamela Manzi, Maria Gabriella Di Costanzo, Mena Ritota, Lucia Aquilanti, Massimo Mozzon
Affiliations expand
Food Res Int 2022 Aug;158:111592. doi: 10.1016/j.foodres.2022.111592.

And in the Master thesis

- "***Clotting properties of Onopordum tauricum aqueous extract in milk of different species***" by KATSIARYNA DAVYDZENKA, Tutor Prof. Massimo Mozzon, Co-tutor: Dr Cinzia Mannozzi PhD (Academic year 2019/20)