

# Wobenzym® PS

## Professional Strength Systemic Enzymes for Immune and Joint Support

### DESCRIPTION

Douglas Laboratories, a leading provider of dietary supplements, is proud to offer its newest systemic enzyme supplement, Wobenzym PS. This product contains the authentic German Phlogenzym formula used by health professionals in Europe. Wobenzym PS is clinically supported to help maintain healthy joint function† and is exclusively available to healthcare professionals. Wobenzym PS is offered in the form of enteric-coated tablets and provides a specific formulation of enzymes to the body to help maintain optimal immune function, and wound healing as well as muscle and tendon structure.†

### FUNCTIONS

For over 60 years, Wobenzym® has been a trusted name for systemic enzyme supplementation. Developed by leading scientists and used by millions of people worldwide, the family of Wobenzym® products has proven to be safe and useful for overall immune support. Wobenzym PS in particular has numerous clinical studies that link its use to maintaining optimal joint health.

In the human body, hundreds of chemical reactions occur during the course of normal metabolic processes. Many chemical reactions require significant energy in order to take place, and therefore need a catalyst to allow the reaction to proceed. The catalyst acts to lower the energy needed for the reaction to move forward. In the body, enzymes play the role of the catalyst and allow reactions to take place that otherwise would not occur. The enzyme itself is not consumed in this process and can be utilized again and again. Enzymes are relatively unique to each reaction and different enzymes will catalyze different reactions.

Structurally, enzymes are complex molecules that are comprised of amino acid chains and can sometimes include co-factors which assist the enzyme in the

chemical reaction. Some enzymes are sensitive to changes in pH and temperature and can be destroyed if exposed to less than ideal conditions.

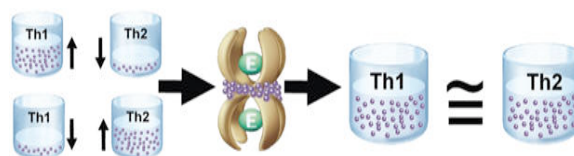
Wobenzym® PS is a systemic enzyme formulation that contains a unique blend of enzymes from both plants and animals that has been clinically studied for supporting numerous processes in the body.† Systemic enzyme supplements work directly in the body after they are absorbed in the small intestine, and are not intended to aid in digestion. Consequently, these enzymes can be utilized to assist the body's various regulatory and communications systems.†

After the enzymes are absorbed, protease molecules can bind with molecules found within the blood including  $\alpha$ -2-macroglobulin, resulting in the formulation of an  $\alpha$ -2-macroglobulin-protease complex. This newly formed complex alters the molecular configuration of the  $\alpha$ -2-macroglobulin molecule which results in a change in its affinity to bind certain cytokines. Once a cytokine is bound to the protease, the entire complex is able to be eliminated from the body, allowing normal cytokine balance and immune function to be maintained (Figures 1 and 2).

Figure 1



Figure 2



Wobenzym<sup>®</sup> PS can help to support healthy joints and muscles, and support the immune system as well as normal wound healing processes<sup>†</sup>. Wobenzym<sup>®</sup> PS tablets are enteric coated to ensure that the enzymes are protected and are not broken down in the stomach. This allows the enzymes to reach the small intestine where absorption can occur.

## INDICATIONS

Wobenzym<sup>®</sup> PS may be a useful dietary supplement for individuals wishing to support healthy joint, immune and circulatory function.

## FORMULA (200245)

### 3 Enteric Coated Tablets Contain:

Bromelain 1350 FIP unit* .....	270 mg
<i>Ananas comosus</i>	
Rutoside trihydrate (Rutin) .....	300 mg
<i>Sophora japonica</i>	
Trypsin 4320 FIP unit* .....	144 mg
(pancreas) <i>Sus scrofa</i>	

Other ingredients: calcium phosphate, microcrystalline cellulose, silica, vegetable stearate, pH resistant enteric coating, natural vanilla flavor and purified water.

\* FIP is the measurement of enzyme activity according to the methods of the Internationale Pharmaceutique Federation.

## SUGGESTED USE

Adults take 3 tablets 2 times daily at least 45 minutes before meals or as directed by your healthcare professional.

## SIDE EFFECTS

Warning: If you are pregnant or breastfeeding, suffering from bleeding disorders or liver damage, or if you are taking anticoagulant drugs (such as warfarin), consult a healthcare professional before using this product.

†These statements have not been evaluated by the Food and Drug Administration.  
This product is not intended to diagnose, treat, cure, or prevent any disease.

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## STORAGE

Store in a cool, dry place, away from direct light.  
Keep out of reach of children.

## REFERENCES

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