

Trypsin Inhibitor (Ovomucoid) (Egg White)

DAG1872 egg white

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	Dried powder. Dialyzed.
Antigen Description	Ovomucin is a trypsin inhibitor found in raw egg white.
Source	Egg Whites
Species	egg white
Tag	N/A
Form	Lyophilized
Bio-activity	1 mg inhibits at least 1.2 mg trypsin.
Molecular Mass	~28kDa
Applications	Inhibition Assay

PACKAGING

Storage	Store at 4°C. Reconstituted with 0.001 N HCl at a concentration of 1.0 mg/ml.
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BACKGROUND

Introduction	Ovomucin is responsible for the gel properties of fresh egg white and is believed to be involved in egg white thinning. Ovomucin is composed of two subunits: 1. α -ovomucin - carbohydrate-poor with a molecular mass of 254kDa. 2. β -ovomucin - carbohydrate-rich with a molecular mass of 400-610kDa. Ovomucin has nine disulfide bonds.
Keywords	Ovomucin

REFERENCES

1. Kato, I., et al., Chicken ovomucoid: determination of its amino acid sequence, determination of the trypsin reactive site, and preparation of all three of its domains Biochemistry 26, 193-201, (1987)
2. Zhang, J.W., and Mine, Y., Characterization of IgE and IgG epitopes on ovomucoid using egg-white-allergic patients' sera Biochim. Biophys. Acta 253, 124-127, (1998)