9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Gliadin Gamma Wheat

Gliadin Gamma Wheat Recombinant
RCP0923

Product Overview

Name	Gliadin Gamma Wheat

Description

Gliadin Gamma Wheat Recombinant

Introduction

Wheat Gliadin and related gluten components from barley, rye and possibly oats can cause an abnormal immune response called Celiac disease which is a chronic gastrointestinal disorder. Celiac disease characteristics are flattening of the jejunal mucosa and intestinal lesions of variable severity in hereditarily inclined individuals. Even though Celiac disease is not a classic autoimmune disease it is related to anti-tissue transglutaminase antibodies and gliadin antibodies tests are most recommended in screening populations at risk for CD and other gluten-sensitive enteropathies. In the past, serologic tests for gliadin antibodies usually were not very precise and were not enough for accurate diagnosis due to missing deamidated epitopes within the authentic gliadin fraction traditionally used in diagnostic test kits. deamidated Gliadin isoform matches to the deamidated neo-epitopes, which in the natural antigen are formed by transglutaminase-mediated glutamine side chain deamidation.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

Gliadin Gamma protein solution (1mg/ml) in 10mM Tris-HCl pH 7.2.

Stability

Gliadin Gamma although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Purity

Protein is >90% pure.

Amino acid sequence

MKTLLILTILAMAITIGTANIQVDPSGQVQWLQQQLVPQLQQPLSQQPQQTFPQPQQTFPH
QPQQQVPQPQQPQQPFLQPQQPFPQQPQQPFPQTQQPQQPFPQQPQQPFPQTQQPQQ
PFPQQPQQPFPQTQQPQQPFPQLQQPQQPFPQPQQQLPQPQQPQQSFPQQQRPFIQPSL
QQQLNCKNILLQQSKPASLVSSLWSIIWPQSDCQVMRQQCCQQLAQIPQQLQCAAIHSVVH

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SIIMQQQQQQQQQGIDIFLPLSQHEQVGQGSLVQGQGIIQPQQPAQLEAIRSLVLQTLPSM

CNVYVPPECSIMRAPFASIVAGIGGQ HHHHHH .

Precautions

Gliadin Gamma Wheat is for research use only and not for use in diagnostic or therapeutic procedures.