

Wheat Gliadin Alpha Recombinant Protein | BathyCg00315 recombinant protein

Recombinant Wheat Gliadin Alpha

CATALOG # AAA38022	HOST E Coli
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PRODUCT SYNONYMS

Wheat Gliadin Alpha; Recombinant Wheat Gliadin Alpha; Gliadin Alpha Wheat; Gliadin Alpha Wheat Recombinant; BathyCg00315 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Protein is >90% pure.
Form/Format	Sterile Filtered clear solution Gliadin Alpha protein solution (1mg/ml) in 10mM Tris-HCl pH 7.2.
Sequence	MVRVPVPLQLQ PQNPSQQQPQ EQVPLVQQQQ FPGQQQPFPF QQPYPQPQPF PSQQPYLQLQ PFPQPQLPYP QPQLPYPQPQ LPYPQPQPFR PQQPYPQSQP QYSQPQQPIS QQQQQQQQQQ QQQQQQQQQQ QILQQILQQQ LIPCRDVVLQ QHSIAYGSSQ VLQQSTYQLV QQLCCQQLWQ IPEQSRCQAI HNVVHAILH QQQQQQQQQQ QQPLSQVSFQ QPQQQYPSGQ GSFQPSQQNP QAQGSVQPQQ LPQFEEIRNL ALETLPAMCN VYIPPYCTIA PVGIFGTNYR HHHHHH
Sequence Length	77
Preparation and Storage	Gliadin Alpha although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for BathyCg00315 recombinant protein	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 identification due to missing deamidated epitopes within the authentic gliadin fraction traditionally used in 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. Description: Recombinant Wheat Gliadin Alpha protein produced in E Coli and fused to a 6 His Tag at C-terminus, having a theoretical Mw of 34557.64 Dalton, pI 7.70. Purified by proprietary chromatographic technique.
Product Categories/Family for BathyCg00315 recombinant protein	Recombinant & Natural Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	684179962
NCBI GeneID	20314186
NCBI Accession #	YP_009056900.1
NCBI GenBank Nucleotide #	NC_024811.1

UniProt Accession #	K8F1J1
NCBI Official Full Name	n/a (chloroplast)
NCBI Official Symbol	BathyCg00315
UniProt Gene Name	BathyCg00315
UniProt Entry Name	K8F1J1_9CHLO

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/bathycg00315-recombinant-protein-e-coli/38022>