

Avenin-like a4, Recombinant Protein

Cat RP16635

Size 0.02 mg (E-Coli)/0.1 mg (E-Coli)/0.02 mg (Yeast)/0.1 mg (Yeast)/0.02 mg (Baculovirus)/0.02 mg (Mammalian-Cell)/1 mg

Species (E-Coli)/0.1 mg (Baculovirus)/1 mg (Yeast)/0.1 mg (Mammalian-Cell)/1 mg (Baculovirus)/0.5 mg (Mammalian-Cell)
Triticum aestivum (Wheat)

Full Product Name

Recombinant Triticum aestivum Avenin-like a4

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

QLDTTCSQGY GQCQQQPQQQ VNTCSALLQQ CSPTPYVQSQ MWQASGCQLM RQCCQPLAQ
ISEQARCQAV CSVAQVIMRQ QQGQSFQGPQ QQVQSFSQPQ HQVPIEITRM VLQTLPSMCN VNIPQYCTTT
PCRTITQTPY NIPMSATCVG GTC

Sequence Positions

20-172, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

18,916 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Avenin

NCBI Accession

D2KFH1.1

NCBI GI

338817618

NCBI Official Full Name

Avenin-like a4

UniProt Protein Name

Avenin-like a4

UniProt Primary Accession

D2KFH1

UniProt Comments

Seed storage protein. Not integrated in the gluten polymer through disulfide bonds, unless incorporated by

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Avenin-like a4, Recombinant Protein

Cat *RP16635*

Size 0.02 mg (E-Coli)/0.1 mg (E-Coli)/0.02 mg (Yeast)/0.1 mg
(Yeast)/0.02 mg (Baculovirus)/0.02 mg (Mammalian-Cell)/1 mg

(E-Coli)/0.1 mg (Baculovirus)/1 mg (Yeast)/0.1 mg (Mammalian-Cell)/1 mg (Baculovirus)/0.5 mg (Mammalian-Cell)
reduction and reoxidation during dough making. Increases dough strength and bread volume, but decreases dough stability when added to white wheat flour.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY