

Aspartic proteinase Asp1 (ASP1), Recombinant Protein

Cat *RP11280*

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

mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 1 mg (*Yeast*)/ 0.1 mg
(*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)
Species *Oryza sativa* subsp. *indica* (*Rice*)

Full Product Name

Recombinant *Oryza sativa* subsp. *indica* Aspartic proteinase Asp1 (ASP1)

Product Gene Name

ASP1 recombinant protein

Purity

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

Sequence

PAKPYFLDID TGSTLTWLQC DYPCINCNKV PHGLYKPELK YAVKCTEQRC ADLYADLRKP MKCGPKNQCH
YGIQYVGGSS IGV LIVDSFS LPASNGTNPT SIAFGCGYNQ GKNNHNVPTP VNGILGLGRG KVTLLSQLKS
QGVITKHVLG HCISSKGKGF LFFGDAKVPT SGVTWSPMNR EHKHYSRQG TLQFNSNSKP ISAAPMEVIF
DSGATYTYFA LQPYHATLSV VKSTLSKECK FLTEVKEKDR ALTVCWKGKD KIRTIDEVKK CFRSLSLKFA
DGDKKATLEI PPEHYLIISQ EGHVCLGILD GSKEHPSLAG TNLIGGITML DQMVIYDSER SLLGWVNYQC
DRIPRSASAI TSRL

Sequence Positions

47-410, 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

44,961 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

Aspartic proteinase

NCBI Accession

A2ZC67.2

NCBI GI

158513711

NCBI Official Full Name

Aspartic proteinase Asp1

UniProt Gene Name

ASP1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Cell)
UniProt Synonym Gene Names
OSAP1; OSAp1

UniProt Protein Name

Aspartic proteinase Asp1

UniProt Synonym Protein Names

Nucellin-like protein

UniProt Primary Accession

A2ZC67

UniProt Secondary Accession

Q53NF8; Q6YNY7; Q6YNY8; Q71SA7

UniProt Comments

Possesses protease activity in vitro.

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