Datasheet for ABIN1660422

Anthocyanidin 3-O-Glucosyltransferase (BZ1) (AA 1-471) protein (His tag)

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Overview

Quantity:	1 mg
Target:	Anthocyanidin 3-O-Glucosyltransferase (BZ1)
Protein Characteristics:	AA 1-471
Origin:	Zea mays
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

Product Details

Sequence:	MAPADGESSP PPHVAVVAFP FSSHAAVLLS IARALAAAAA PSGATLSFLS TASSLAQLRK ASSASAGHGL PGNLRFVEVP DGAPAAEETV PVPRQMQLFM EAAEAGGVKA WLEAARAAAG GARVTCVVGD AFVWPAADAA ASAGAPWVPV WTAASCALLA HIRTDSLRED VGDQAANRVD EPLISHPGLA SYRVRDLPDG VVSGDFNYVI SLLVHRMGQC LPRSAAAVAL NTFPGLDPPD VTAALAEILP NCVPFGPYHL LLAEDDADTA APADPHGCLA WLGRQPARGV AYVSFGTVAC PRPDELRELA AGLEASAAPF LWSLREDSWT LLPPGFLDRA AGTGSGLVVP WAPQVAVLRH PSVGAFVTHA GWASVLEGVS SGVPMACRPF FGDQRMNARS VAHVWGFGAA FEGAMTSAGV AAAVEELLRG EEGAGMRARA KELQALVAEA FGPGGECRKN FDRFVEIVCR A
Specificity:	Zea mays (Maize)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity:	> 90 %

Target Details

Target:	Anthocyanidin 3-O-Glucosyltransferase (BZ1)
Background:	Recommended name: Anthocyanidin 3-O-glucosyltransferase. EC= 2.4.1.115. Alternative name(s): Bronze-1 Bz-Mc2 allele Flavonol 3-O-glucosyltransferase UDP-glucose flavonoid 3-O-glucosyltransferase
UniProt:	P16165

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.