Datasheet for ABIN3132417

Histocompatibility 2, Class II Antigen E Alpha, Pseudogene (H2-EA-PS) (AA 26-255) protein (rho-1D4 tag)

3 Images

Go to Product page

Overview

Quantity:	1 mg
Target:	Histocompatibility 2, Class II Antigen E Alpha, Pseudogene (H2-EA-PS)
Protein Characteristics:	AA 26-255
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	rho-1D4 tag
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence:	IKEEHTIIQA EFYLLPDKRG EFMFDFDGDE IFHVDIEKSE TIWRLEEFAK FASFEAQGAL ANIAVDKANL DVMKERSNNT PDANVAPEVT VLSRSPVNLG EPNILICFID KFSPPVVNVT WLRNGRPVTE GVSETVFLPR DDHLFRKFHY LTFLPSTDDF YDCEVDHWGL EEPLRKTWEF EEKTLLPETK ENVMCALGLF VGLVGIVVGI ILIMKGIKKR NVVERRQGAL GSSGTETSQV APA **Sequence includes N-terminal Rho1D4 tag**
Characteristics:	• Made in Germany - from design to production - by highly experienced protein experts. • Human PLP1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade. • State-of-the-art algorithm used for plasmid design (Gene synthesis). The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

Product Details

	The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	The protein is purified from the cleared cell lysate using Rho1D4-tag capture materials. Eluate fractions are analyzed by SDS-PAGE. Protein containing fractions are subjected to a second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin-free.
Grade:	Crystallography grade

Target Details

Target:	Histocompatibility 2, Class II Antigen E Alpha, Pseudogene (H2-EA-PS)
Alternative Name:	H2-Ea (H2-EA-PS Products)
Molecular Weight:	27.5 kDa including tag
UniProt:	P01904

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a gurantee though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

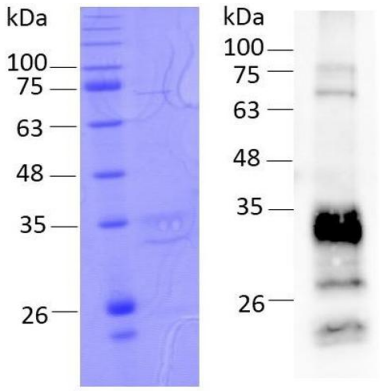
Format:	Liquid
Buffer:	In solution (20 mM Hepes, pH 7.4, 100 mM NaCl, 0,1 % Foscholine 12)

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

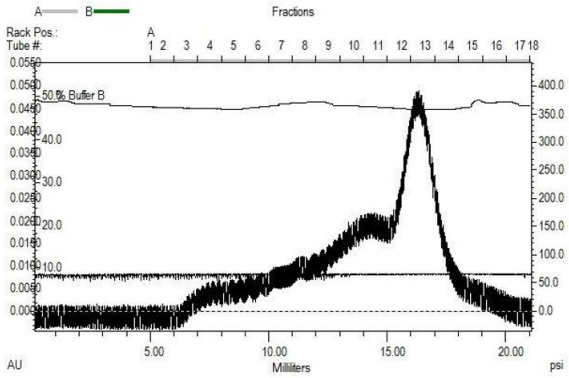
Images

Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process



Histocompatibility 2, Class II
Antigen E Alpha, fraction 12 - 14

Image 2.



Histocompatibility 2, Class II Antigen E Alpha, gel filtration Superdex 200, fraction 12 - 14

Image 3.