Datasheet for ABIN3130685

GPATCH8 Protein (AA 1-1505) (His tag)

1 Image

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Overview

Quantity:	1 mg
Target:	GPATCH8
Protein Characteristics:	AA 1-1505
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPATCH8 protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence:	MADRFSRFNE DRDFQGNHFD QYEEGHLEIE QASLDKPIES DNIGHRLLQK HGWKLGQGLG KSLQGRTDPI PIVVKYDVMG MGRMEMELDY AEDATERRRV LEVEKEDTEE LRQKYKDYVD KEKAIAKALE DLRANFYCEL CDKQYQKHQE FDNHINSYDH AHKQRLKDLK QREFARNVSS RSRKDEKKQE KALRRLHELA EQRKQAECAP GSGPMFRPTT VAVDEDGGEE DKDESSTNSG ASAVSSCGFG ADFSTDKGGS FTSVQITNTT GLSQAPGLAS QGISFGIKNN LGPPLQKLGV SFSFAKKAPV KLESIASVFK DHAEEGSSED GTKADEKSSD QGVQKVGDTD GTGNLDGKKE DEDPQDGGSL ASTLSKLKRM KREEGTGATE PEYYHYIPPA HCKVKPNFPF LLFMRASEQM EGDHSAHSKS APENRKSSSP KPQGCSKTAA SPGAERTVSE ASELQKEAAV AGPSEPGGKT ETKKGSGGGE DEQSVESRET SESPMCESNP KDISQATPAT KAGQGPKHPT GPFFPVLSKD ESTALQWPSE LLIFTKAEPS ISYSCNPLYF DFKLSRNKDA KAKGTEKPKD VAGSSKDHLQ SLDPREPNKS QEEEQDVVLS SEGRVDEPAS GAACSSLNKQ EPGGSHMSET EDTGRSHPSK KEPSGKSHRH KKKKKHKKSS KHKRKHKADT EEKSSKAESG EKSKKRKKRK RKKNKSSAAA

DSERGPKSEP PGSGSPAPPR RRRRAQDDSQ RRSLPAEEGN SGKKDDGGGG SSCQDHSGRK HKGEPPTSSC QRRANTKHSS RSSHRSQPSS GDEDSDDASS HRLHQKSPSQ YSEEEEEEEE EEEEEDEDSG SEHSRSRSRS GHRHSSHRSS RRSYSSSSDA SSDQSCYSRQ HSYSDDSYSD YSDRSRRHSK RSHDSDDSDY TSSKHRSKRH KYSSSDDDYS LSCSQSRSRS RSHTRERSRS RGRSRSSSCS RSRSKRRSRS TTAHSWQRSR SYSRDRSRST RSPSQRSGSR KGSWGHESPE ERRSGRRDFI RSKIYRSQSP HYFQSGRGEG PGKKEDGRGD DSKGAGLPSQ NSNTGTGRGS ESDCSPEDKN SVTARLLLEK IQSRKVERKP NVCEEVLATP NKAGLKYKNP PQGYFGPKLP PSLGNKPVLP MIGKLPATRK SNKKCEESGL ERGEEQEHSE PEEGSPRSSD APFGHQFSEE AAGPLSDPPP EEPKSEEATA DHSVAPLGTP AHTDCYPGDP AISHNYLPDP SDGDTLESLD SGSQPGPVES SLLPIAPDLE HFPNYAPPSG EPSIESTDGT EDASLAPLES QPITFTPEEM EKYSKLQQAA QQHIQQQLLA KQVKAFPAST ALAPATPALQ PIHIQQPATA SATSITTVQH AILQHHAAAA AAAIGIHPHP HPQPLAQVHH IPQPHLTPIS LSHLTHSIIP GHPATFLASH PIHIIPASAI HPGPFTFHPV PHAALYPTLL APRPAAAAAT ALHLHPLLHP IFSGQDLQHP PSHGT

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Gpatch8 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).

This protein is a made to order protein and will be made for the first time for your order. Our experts in the lab will ensure that you receive a correctly folded protein.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

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.

The concentration of the protein is calculated using its specific absorption coefficient. We use

Product Details

	the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: 1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE. 2. Protein containing fractions of the best purification are subjected to 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:	GPATCH8
Alternative Name:	Gpatch8 (GPATCH8 Products)
Molecular Weight:	165.9 kDa Including tag.
UniProt:	A2A6A1

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

Handling

Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images

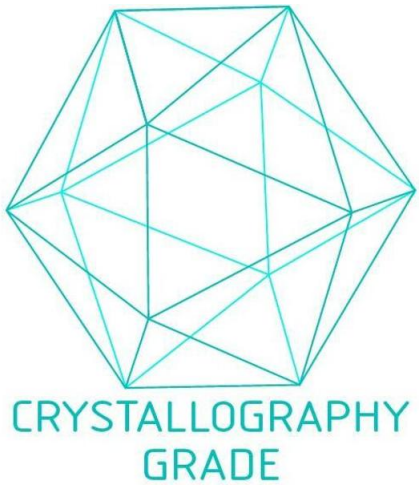

Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process