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Recombinant mouse TLR2 protein

Catalog Number: ATGP3597

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
25-587aa

UniProt No.
Q9QUN7

NCBI Accession No.
NP_036035

Alternative Names
Toll-like receptor 2, Tlr2, Ly105

PRODUCT SPECIFICATION

Molecular Weight
90.7 kDa (805aa)

Concentration
0.25mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 85% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
hIgG-His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Tlr2, also known as toll-like receptor 2, is a member of the Toll-like receptor (TLR) family. It is typically thought to recognize bacterial components, it has been described to alter the induction of both innate and adaptive immunity to a number of viruses, including vaccinia virus (VACV). It may recognize virus preparations in vitro and have a minor role in preventing dissemination of VACV following systemic infection with large doses of virus.

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it is wholly disposable in both control of virus replication and induction of adaptive immunity following intradermal infection. Recombinant mouse Tlr2, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

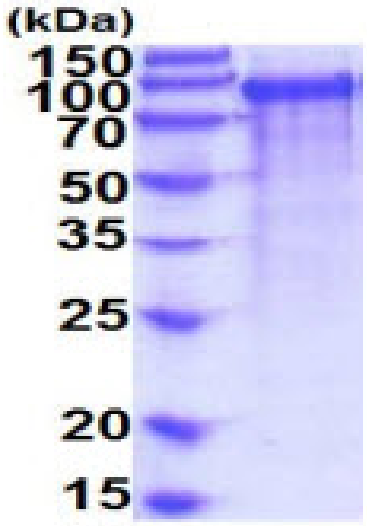
ADLQESLSCD ASGVCDGRSR SFTSIPSGLT AAMKSLDLSF NKITYIGHGD LRACANLQVL MLKSSRINTI EGDAFYSLGS LEHLDLSDNH LSSLSSSWFG PLSSLKYLNL MGNPYQTLGV TSLFPNLTNL QTLRIGNVET FSEIRRIDFA GLTSLNELEI KALSLRNYQS QSLKSIRDIH HLTLHLSESA FLLEIFADIL SSVRYLELRD TNLARFQFSP LPVDEVSSPM KKLAFRGSVL TDESFNELLK LLRYILELSE VEFDDCTLNG LGDFNPSESD VVSELGKVET VTIRRLHIPQ FYLFYDLSTV YSLLEKVKRI TVENSKVFLV PCSFSQHLKS LEFLDLSENL MVEEYLKNSA CKGAWPSLQT LVLSQNHLRS MQKTGEILLT LKNLTSLDIS RNTFHPMPDS CQWPEKMRFL NLSSTGIRVV KTCIPQTLEV LDVSNNNLDS FSLFLPRLQE LYISRNKLKT LPDASLFPVL LVMKIRENAV STFSKDQLGS FPKLETLEAG DNHFVCSCEL LSFTMETPAL AQILVDWPDS YLCDSPPRLH GHRLQDARPS VLECHQLEPK SCDKTHTCPP CPAPELLGGP SVFLFPPKPK DTLMISRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGQPE NNYKTTPPVL DSDGSFFLYS KLTVDKSRWQ QGNVFSCSVM HEALHNHYTQ KSLSLSPGKH HHHHH

General References

Davies ML., et al. (2014) J Virol. 88:3557-3567.
Yueh MF., et al. (2014) J Biol Chem. 289:4699-4709.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.