

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.

Recombinant mouse TLR2 protein

Catalog Number: ATGP3597

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

Amino acid Sequence

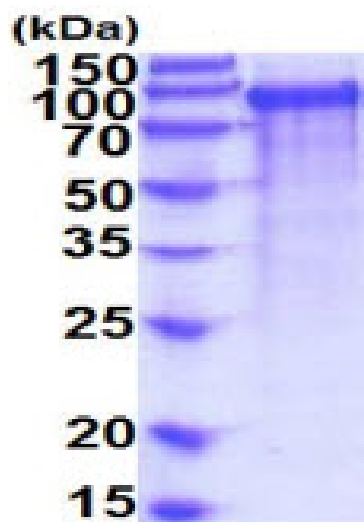
ADLQESLSCD ASGVCDGRSR SFTSIPSGLT AAMKSLDLSF NKITYIGHGD LRACANLQVL MLKSSRINTI EGDAFYSLGS
LEHLDLSDNH LSSLSSSWFG PLSSLKYLNL MGNPYQTLGV TSLFPNLTNL QTLRIGNVET FSEIRRIDFA GLTSLNELEI
KALSLRNYQS QSLKSIRDIH HLTLLHSESA FLLEIFADIL SSVRYLELRD TNLARFQFSP LPVDEVSSPM KKLAFRGSVL
TDESFNELLK LLRYILELSE VEFDDCTLNG LGDFNPSESD VVSELGKVET VTIRRLHIPQ FYLFYDLSTV YSLLEKVKRI
TVENSKVFLV PCSFSQHLKS LEFLDLENL MVEEYLNKSA CKGAWPSLQT LVLSQNHLSR MQKTGEILLT LKNLTSLDIS
RNTFHPMPDS CQWPEKMRFL NLSSTGIRVV KTCIPQTELV LDVSNNNLDS FSLFLPRLQE LYISRNKLKT LPDASLFPVL
LVMKIRENAV STFSKDQLGS FPKLETLEAG DNHFVCSEL LSFTMETPAL AQILVDWPDS YLCDSPPRH GHRLQDARPS
VLECHQLEPK SCDKTHTCPP CPAPELLGGP SVFLFPPKPK DTLMSRTPE VTCVVVDVSH EDPEVKFNWY VDGVEVHNAK
TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL
VKGFPYSDIA VEWESNGQPE NNYKTTTPVL 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



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

15% SDS-PAGE (3ug)