

Recombinant human TLR2 protein

Catalog Number: ATGP3396

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

21-588aa

UniProt No.

O60603

NCBI Accession No.

NP_003255

Alternative Names

Toll-like receptor 2, TLR2, CD282, TIL4, CD282, CD282 antigen, TIL 4, TIL4, TLR 2, TLR2, TLR2_HUMAN, Toll like receptor 2, Toll like receptor 2 precursor, Toll-like receptor 2, Toll/interleukin 1 receptor like 4, Toll/interleukin 1 receptor like protein 4, Toll/interleukin receptor like protein 4, Toll/interleukin-1 receptor-like protein 4

PRODUCT SPECIFICATION

Molecular Weight

65.2 kDa (576aa)

Concentration

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

Formulation

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

Purity

> 90% by SDS-PAGE

Endotoxin level

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

Tag

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, as known as toll-like receptor 2, belongs to the toll-like receptor (TLR) family. Human TLR family includes the members that activate the innate immune response via an ability to recognize molecular structures found in

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a variety of microbial pathogens. Specially, this protein is highly expressed in peripheral blood leukocytes, in particular in monocytes, in bone marrow, lymph node and in spleen. It functions as part of a heterodimeric complex with either TLR1 or TLR6, and possibly other co-receptors. Recombinant human TLR2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

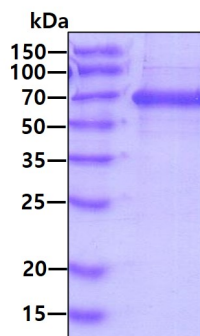
ESSNQASLSC DRNGICKGSS GSLNSIPSGL TEAVKSLDLS NNRITYISNS DLQRCVNLQA LVLTSNGINT IEEDSFSSLG
SLEHLDLSYN YLSNLSSSWF KPLSSLTFLN LLGNPYKTLG ETSLSHLTK LQILRVGNMD TFTKIQRKDF AGLTFLEELE
IDASDLQSYE PKSLKSIQNV SHLILHMKQH ILLLEIFVDV TSSVECLELR DTDLDTFHFS ELSTGETNSL IKKFTFRNVK
ITDESLFQVM KLLNQISGLL ELEFDDCTLN GVGNFRAASN DRVIDPGKVE TLTIIRRLHIP RFYLFYDLST LYSLTERVKR
ITVENSKVFL VPCLLSQHLK SLEYLDLSEN LMVEEYLKNS ACEDAWPSLQ TLILRQNHLE SLEKTGETLL TLKNLTNIDI
SKNSFHSMPE TCQWPEKMKY LNLSSSTRIHS VTGCIPKLE ILDVSNNNLN LFSNLPLQK ELYISRNLKM TLPDASLLPM
LLVLKISRNA ITTFSKEQLD SFHTLKTLEA GGNNFICSCE FLSFTQEQQA LAKVLIDWPA NYLCDSPSHV RGQQVQDVRL
SVSECHRT<LE HHHHHH>

General References

Liu Y., et al. (2015) Eur. J. Immunol. 45:2683-2693.
Murphy M., et al. (2015) J. Biol. Chem. 290:19218-19232.

DATA

SDS-PAGE



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