

Toll-like receptor 2 (TLR2) Recombinant Protein | TLR2 recombinant protein

Recombinant Human Toll-like receptor 2 (TLR2), partial

CATALOG # AAA18679	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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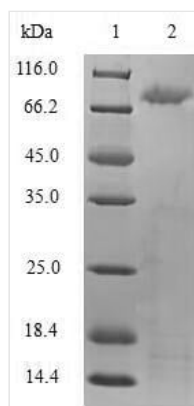
PRODUCT SYNONYMS

Toll-like receptor 2 (TLR2); Recombinant Human Toll-like receptor 2 (TLR2); partial; Toll/interleukin-1 receptor-like protein 4; CD282; TLR2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	19-588aa; partial
Sequence	KEESSNQASL SCDRNGICKG SSGSLNSIPS GLTEAVKSLD LSNNRITYIS NSDLQRCVNL QALVLTSGNI NTIEEDSFSS LGSLEHLDLS YNYLSNLSSS WFKPLSSLTF LNLLGNPYKT LGETSLFSLH TKLQILRVGN MDFTKIQRK DFAGLTFLEE LEIDASDLQS YEPKSLKSIQ NVSHLILHMK QHILLLEIFV DVTSSVECLE LRDLDLDFH FSELSTGETN SLIKKFTFRN VKITDESLFQ VMKLLNQISG LLELEFDDCT LNGVGNFRAS DNDRVIDPGK VETLTIRRLH IPRFYLFYDL STLYSLTERV KRITVENSKV FLVPCLLSQH LKSLEYLDLS ENLMVEEYK NSACEDAWPS LQTLILRQNH LASLEKTGET LLTLKNLTNI DISKNSFHSM PETCQWPEKM KYLNLSSTRI HSVTGCIPKT LEILDVSNNN LNLFSNLQPQ LKELYISRNK LMTLPDASLL PMLLVLKISR NAITFSKEQ LDSFHTLKT EAGGNNFICS CEFLSFTQEQ QALAKVLIDW PANYLCDSPS HVRGQQVQDV RLSVSECHRT
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TLR2 recombinant protein	Cooperates with LY96 to mediate the innate immune response to bacterial lipoproteins and other microbial cell wall components. Cooperates with TLR1 or TLR6 to mediate the innate immune response to bacterial lipoproteins or lipopeptides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. May also promote apoptosis in response to lipoproteins. Recognizes mycoplasmal macrophage-activating lipopeptide-2kD (MALP-2), soluble tuberculosis factor (STF), phenol-soluble modulin (PSM) and B. burgdorferi outer surface protein A lipoprotein (OspA-L) cooperatively with TLR6.
Product Categories/Family for TLR2 recombinant protein	Immunology
References	Cloning and characterization of two Toll/Interleukin-1 receptor-like genes TIL3 and TIL4 evidence for a multi-gene receptor family in humans.Chaudhary P.M., Ferguson C., Nguyen V., Nguyen O., Massa H.F., Eby M., Jasmin A., Trask B.J., Hood L., Nelson P.S.Blood 91:4020-4027(1998) A family of human receptors structurally related to Drosophila Toll.Rock F.L., Hardiman G., Timans J.C., Kastelein R.A., Bazan J.F.Proc. Natl. Acad. Sci. U.S.A. 95:588-593(1998) Toll-like receptor-2 mediates lipopolysaccharide-induced cellular signalling.Yang R.-B., Mark M.R., Gray A.M., Huang A., Xie M.-H., Zhang M., Goddard A.D., Wood W.I., Gurney A.L., Godowski P.J.Nature 395:284-288(1998) Natural selection in the TLR-related genes in the course of primate evolution.Nakajima T., Ohtani H., Satta Y., Uno Y., Akari H., Ishida T., Kimura A.Immunogenetics 60:727-735(2008) The heterogeneous allelic repertoire of human Toll-Like receptor (TLR) genes.Georgel P., Macquin C., Bahram S.PLoS ONE 4:E7803-E7803(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	19718734
NCBI GeneID	7097
NCBI Accession #	NP_003255.2
NCBI GenBank Nucleotide #	NM_003264.4
UniProt Accession #	O60603; O15454; Q8NI00; B3Y612; D1CS45; D1CS48; D1CS49
Molecular Weight	80.4 kDa
NCBI Official Full Name	toll-like receptor 2
NCBI Official Synonym Full Names	toll like receptor 2
NCBI Official Symbol	TLR2
NCBI Official Synonym Symbols	TIL4; CD282
NCBI Protein Information	toll-like receptor 2
UniProt Protein Name	Toll-like receptor 2
UniProt Gene Name	TLR2
UniProt Synonym Gene Names	TIL4
UniProt Entry Name	TLR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.