Toll-Like Receptor 5 (TLR5) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Toll-like receptor 5 (Tlr5), Recombinant Protein
Full Product Name	Recombinant Mouse Toll-like receptor 5 (Tlr5), partial
Product Gene Name	Tlr5 recombinant protein
Product Synonym Gene Name	Tlr5
Sequence	DGRIAFFRGC NLTQIPWILN TTTERLLLSF NYISMVVATS FPLLERLQLL ELGTQYANLT IGPGAFRNLP NLRILDLGQS QIEVLNRDAF QGLPHLLELR LFSCGLSSAV LSDGYFRNLY SLARLDLSGN QIHSLRLHSS FRELNSLSDV NFAFNQIFTI CEDELEPLQG KTLSFFGLKL TKLFSRVSVG WETCRNPFRG VRLETLDLSE NGWTVDITRN FSNIIQGSQI SSLILKHHIM GPGFGFQNIR DPDQSTFASL ARSSVLQLDL SHGFIFSLNP RLFGTLKDLK MLNLAFNKIN KIGENAFYGL DSLQVLNLSY NLLGELYNSN FYGLPRVAYV DLQRNHIGII QDQTFRLLKT LQTLDLRDNA LKAIGFIPSI QMVLLGGNKL VHLPHIHFTA NFLELSENRL ENLSDLYFLL RVPQLQFLIL NQNRLSSCKA AHTPSENPSL EQLFLTENML QLAWETGLCW DVFQGLSRLQ ILYLSNNYLN FLPPGIFNDL VALRMLSLSA NKLTVLSPGS LPANLEILDI SRNQLLCPDP ALFSSLRVLD ITHNEFVCNC ELSTFISWLN QTNVTLFGSP ADVYCMYPNS LLGGSLYNIS TEDCDEEEAM RSLKF
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	97,627 Da
Sequence Positions	27-641. Partial, provide the complete extracellular domain.
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9JLF7
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Tlr5 recombinant protein	MBS1347618 is a recombinant protein targeting Tlr5. Also known as Recombinant Mouse Toll-like receptor 5 (Tlr5), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Tlr5 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Tlr5. It may not necessarily be applicable to this product.

NCBI GI #	124248590
NCBI GeneID	53791

NCBI Accession #	NP_058624.2
UniProt Primary Accession #	Q9JLF7
UniProt Related Accession #	Q9JLF7
GenBank Nucleotide #	NM_016928.3
NCBI Official Full Name	toll-like receptor 5
NCBI Official Synonym Full Names	toll-like receptor 5
NCBI Official Symbol	Tlr5
UniProt Protein Name	Toll-like receptor 5
Protein Family	Toll-like receptor
UniProt Gene Name	Tlr5
NCBI Protein Information	toll-like receptor 5
UniProt Comments for Tlr5	Participates in the innate immune response to microbial agents. Mediates detection of bacterial flagellins. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response ().
Research Articles on Tlr5	**1.** These results suggest that HMGB1-modulated TLR5 signaling is responsible for pain hypersensitivity.
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