

MRC1 Protein, Human, Recombinant (His)

General Information

Synonyms:	C-type lectin domain family 13 member D;CLEC13DL;MRC1;CLEC13D;MRC1L1;Macrophage mannose receptor 1-like protein 1;Human mannose receptor (hMR);Macrophage mannose receptor 1;C-type lectin domain family 13 member D-like;MMR;CD206
Protein Construction:	655-1213 aa
Species:	Human
Expression Host:	E. coli
Accession:	P22897
Molecular Weight:	69.9 kDa (predicted)
AA Sequence:	RTSLCFKLYAKGKHEKKTWFESRDFCRALGGDLASINNKEEQTIWRLITASGSYHKLFWLGLTYGSPSEGFT WSDGSPVSYENWAYGEPNNYQNVEYCGELKGDPTMSWINDINCEHLNNWICQIQKGQTPKPEPTPAPQDN PPVTEDGWVIYKDYQYYFSKEKETMDNARAFCKRNFGLVSIQSESEKKFLWKYVNRNDAQSAYFIGLLISLD KKFAWMDGSKVDYVSWATGEPNANEDENCVTMYSNSGFWDINCGYPNAFICQRHNSSINATTVMPTMP SVPSPGCKEGWNFYNSKCFKIFGFMEEERKNWQEARACIGFGGNLVSQNEKEQAFPTYHMKDSTFSAWTGL NDVNSEHTFLWTDGRGVHYTNWKGYPGGRSSLSYEDADCVVIIGGASNEAGKWMDDTCDSKRGYICQT RSDPSLTNPPATIQTDFVKYKSSYSLMRQKFQWHEAETYCKLHNSLIASILDPPYSNAFAWLQMETSNERV WIALNSNLTDNQYTWTDKWRVRYTNWAADEPKLKSACVYLDLDGYWKTAKHCNESFYFLCK

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Mediates the endocytosis of glycoproteins by macrophages. Binds both sulfated and non-sulfated polysaccharide chains.; (Microbial infection) Acts as phagocytic receptor for bacteria, fungi and other pathogens.; (Microbial infection) Acts as a receptor for Dengue virus envelope protein E.; (Microbial infection) Interacts with Hepatitis B virus envelope protein.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481