Recombinant Human MRC2

Cat. No. MRC2-29703TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 105-214 of Human MRC2 protein with a proprietary tag; predicted mwt: 37.73 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	MRC2 is a recycling endocytic receptor that functions in cell motility and remodeling of the extracellular matrix by promoting cell migration and uptake of collagens for intracellular degradation (Wienke et al.
Molecular Weight	37.730kDa inclusive of tags
Tissue specificity	Ubiquitous with low expression in brain, placenta, lung, kidney, pancreas, spleen, thymus and colon. Expressed in endothelial cells, fibroblasts and macrophages. Highly expressed in fetal lung and kidney.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	ASLGMYECDREALNLRWHCRTLGDQLSLLLGARTSNISKPGTLERGDQTRSGQWRI YGSEEDLCALPYHEVYTIQGNSHGKPCTIPFKYDNQWFHGCTSTGREDGHLWCA
Sequence Similarities	Contains 8 C-type lectin domains.Contains 1 fibronectin type-II domain.Contains 1 ricin B-type lectin domain.

GENE INFORMATION

Gene Name	MRC2 mannose receptor, C type 2 [Homo sapiens]
Official Symbol	MRC2
Synonyms	MRC2; mannose receptor, C type 2; C-type mannose receptor 2; CD280; CLEC13E; ENDO180; KIAA0709;
Gene ID	9902
mRNA Refseq	NM_006039
Protein Refseq	NP_006030
MIM	612264
Uniprot ID	Q9UBG0
Chromosome Location	17q23
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing-Cross

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	presentation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Cross-presentation of soluble exogenous antigens (endosomes), organism-specific biosystem;
Function	binding; receptor activity; sugar binding;

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