

Sites and ligands	CI-M6PR functions	Associated Diseases	Ref.
M6P binding sites (repeats 1-3 and 9)			[38]
~ 50 lysosomal enzymes (secreted cathepsins)	Lysosome biogenesis Tumor dissemination	Most of lysosomal diseases Cancer metastasis	[71] [118]
Latent TGF β complex	TGF β activation	Wound healing	[100]
Granzyme B	Cell entry and apoptosis	Immune cytotoxic cell response	[111]
Leukemia Inhibitory Factor, Macrophage-Colony-Stimulating Factor	Cell entry and degradation in lysosome	Haematopoietic disorders, multiple myeloma, Castelman disease, polycythemia vera	[76]
Proliferin	Cell growth, angiogenesis	Fibrosarcomas	[114]
gD, glycoprotein of herpes virus	Virus entry	Viral infection	[110]
Renin	Cardiac (pro)renin uptake	Cardiovascular disorders	[84]
IGFII binding site (repeat 11)	Cell entry and degradation in lysosome	Cell growth in embryogenesis and oncogenesis	[36]
uPAR/plasminogen binding site (repeat 1)	Regulation cell surface uPAR, activation uPA, activation of TGF β	Fibrinolysis, cell adhesion and migration	[104]
Retinoic acid (unknown site)	Modulation of retinoic acid action	Cell growth in embryogenesis and oncogenesis	[44]

Table 1: Multiple ligands and functions of CI-M6PR