

Product datasheet for TP504541

Lgals8 (NM_018886) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse lectin, galactose binding, soluble 8 (Lgals8), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204541 representing NM_018886 Red=Cloning site Green=Tags(s)

MLSLNNLQNIINYNPPIPYVGTITEQLKPGSLIVIRGHVPKDSERFQVDFQLGNSLKPRADVAFHFNPRFK
RSSCIVCNTLTQEKWGWEEITYDMPFRKEKSFEIVFMVLKKNKFQVAVNGRHHVLLYAHRSPEQIDTVGIY
GKVNHSIGFRFSSDLQSMETSALGLTQINRENIQKPGKLQLSLPFEARLNASMGPGRTVVIKGEVNTNA
RSFNVDLVAGKTRDIALHLNPRLNVKAFVRNSFLQDAWGEEERNITCFPFSSGMYFEMIIYCDVREFKVA
INGVHSLEYKHRFKDLSSIDTLSVDGDIRLLDVRSW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	36.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_061374
Locus ID:	56048
UniProt ID:	Q9JL15 , Q542M5



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RefSeq Size:	2810
Cytogenetics:	13 4.64 cM
RefSeq ORF:	948
Synonyms:	1200015E08Rik; AI326142; D13Ert524e; Lgals-8
Summary:	Beta-galactoside-binding lectin that acts as a sensor of membrane damage caused by infection and restricts the proliferation of infecting pathogens by targeting them for autophagy. Detects membrane rupture by binding beta-galactoside ligands located on the luminal side of the endosome membrane; these ligands becoming exposed to the cytoplasm following rupture. Restricts infection by initiating autophagy via interaction with CALCOCO2/NDP52. Required to restrict infection of bacterial invasion such as <i>S.typhimurium</i> . Also required to restrict infection of Picornaviridae viruses. Has a marked preference for 3'-O-sialylated and 3'-O-sulfated glycans.[UniProtKB/Swiss-Prot Function]