

Product datasheet for PH308785

Galectin 3 (LGALS3) (NM_002306) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LGALS3 MS Standard C13 and N15-labeled recombinant protein (NP_002297)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208785
Predicted MW:	26.2 kDa
Protein Sequence:	>RC208785 protein sequence Red=Cloning site Green=Tags(s) MADNFSLHDALSGSGNPNPQGWPAGWGNQPAGAGGYPGASYPGAYPGQAPPAYPGQAPPAYHGAPGAY PGAPAPGVYPPSPGPGAYPSSQPSAPGAYPATGPYGAPAGPLIVPYNLPLPGGVVPRMLITILGTVKP NANRIALDFQRGNDVAFHFNPRFNENRRRIVCNTKLDNNWGREERQSVFPFESGKPFKIQVLVEPDHFK VAVNDAHLLQYNHRVKKLNEISKLGISGDIDLTSASYTMI TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002297
RefSeq Size:	1017
RefSeq ORF:	750
Synonyms:	CBP35; GAL3; GALBP; GALIG; L31; LGALS2; MAC2
Locus ID:	3958
UniProt ID:	P17931 , A0A024R693



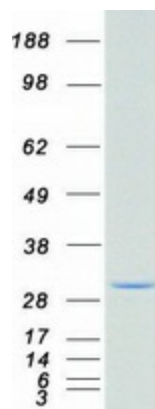
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Cytogenetics: 14q22.3

Summary: This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified LGALS3 protein (Cat# [TP308785]). The protein was produced from HEK293T cells transfected with LGALS3 cDNA clone (Cat# [RC208785]) using MegaTran 2.0 (Cat# [TT210002]).