

Mascot Search Results

Protein View

Match to: **LEG1_HUMAN** Score: 125 Expect: **6.4e-09**
Galectin-1 OS=Homo sapiens GN=LGALS1 PE=1 SV=2

Nominal mass (M_r): **15048**; Calculated pI value: **5.34**
 NCBI BLAST search of [LEG1_HUMAN](#) against nr
 Unformatted [sequence string](#) for pasting into other applications

Taxonomy: [Homo sapiens](#)

Fixed modifications: Carbamidomethyl (C)
 Variable modifications: Oxidation (M)
 Cleavage by Trypsin: cuts C-term side of KR unless next residue is P
 Number of mass values searched: **13**
 Number of mass values matched: **9**
 Sequence Coverage: **74%**

Matched peptides shown in **Bold Red**

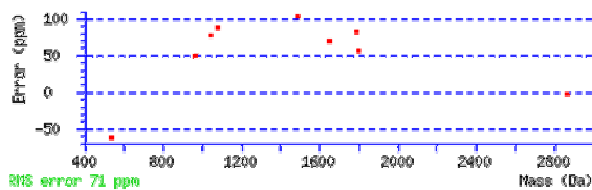
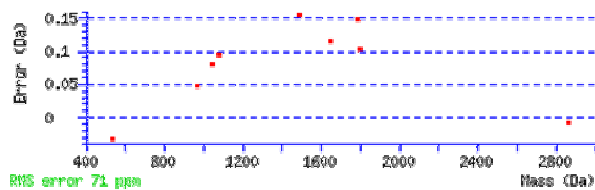
1 MACGLVASNL NLKPGECLRV **RGEVAPDAKS** FVLNLGKDSN NLCLHFNPRF
 51 **NAHGDANTIV** CNSKDGAWG **TEQREAVFFP** QPGSVAEVCITFDQANLTVK
 101 **LPDGYEFKFP** NRLNLEAINY **MAADGDFK**IK CVAFD

Show predicted peptides also

Sort Peptides By ☒ Residue Number ☐ Increasing Mass ☐ Decreasing Mass

Start - End	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Sequence
20 - 29	1041.6500	1040.6427	1040.5614	0.0813	1	R.VRGEVAPDAK.S
38 - 49	1486.8400	1485.8327	1485.6783	0.1544	0	K.DSNNLCLHFNPR.F
50 - 64	1647.8700	1646.8627	1646.7471	0.1156	0	R.FNAHGDANTIVCNSK.D
65 - 74	1076.5700	1075.5627	1075.4683	0.0944	0	K.DGGAWGTEQR.E
75 - 100	2867.4200	2866.4127	2866.4212	-0.0084	0	R.EAVFFFPQGSVAEVCITFDQANLTVK.L
101 - 108	968.5200	967.5127	967.4651	0.0476	0	K.LPDGYEFK.F
109 - 112	533.2500	532.2427	532.2758	-0.0330	0	K.FPNR.L
113 - 128	1785.0000	1783.9927	1783.8450	0.1477	0	R.LNLEAINYMAADGDFK.I
113 - 128	1800.9500	1799.9427	1799.8400	0.1028	0	R.LNLEAINYMAADGDFK.I Oxidation (M)

No match to: 1923.1800, 1957.1800, 2014.1800, 2849.4400



AC P09382; B2R5E8; Q9UDK5;
 DT 01-JUL-1989, integrated into UniProtKB/Swiss-Prot.
 DT 23-JAN-2007, sequence version 2.
 DT 05-APR-2011, entry version 146.
 DE RecName: Full=Galectin-1;
 DE Short=Gal-1;
 DE AltName: Full=14 kDa laminin-binding protein;
 DE Short=HLBP14;
 DE AltName: Full=14 kDa lectin;
 DE AltName: Full=Beta-galactoside-binding lectin L-14-I;
 DE AltName: Full=Galaptin;
 DE AltName: Full=HBL;
 DE AltName: Full=HPL;
 DE AltName: Full=Lactose-binding lectin 1;
 DE AltName: Full=Lectin galactoside-binding soluble 1;
 DE AltName: Full=Putative MAPK-activating protein PM12;
 DE AltName: Full=S-Lac lectin 1;
 GN Name=LGALS1;
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini;
 OC Catarrhini; Hominidae; Homo.
 OX NCBI_TaxID=9606;
 RN [1]
 RP NUCLEOTIDE SEQUENCE [MRNA].
 RC TISSUE=Lung;
 RX MEDLINE=89247452; PubMed=2719964; DOI=10.1016/0167-4781(89)90173-5;
 RA Hirabayashi J., Ayaki K., Soma G., Kasai K.;
 RT "Cloning and nucleotide sequence of a full-length cDNA for human 14
 kDa beta-galactoside-binding lectin.";
 RL Biochim. Biophys. Acta 1008:85-91(1989).
 RN [2]
 RP NUCLEOTIDE SEQUENCE [MRNA].
 RC TISSUE=Placenta, and Promyelocytic leukemia;
 RX MEDLINE=89093123; PubMed=2910856;
 RA Couraud P.-O., Casentini-Borocz D., Bringman T.S., Griffith J.,
 RA McGrogan M., Nedwin G.E.;