

## Product datasheet for PH320102

### Galectin 8 (LGALS8) (NM\_006499) Human Mass Spec Standard

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | LGALS8 MS Standard C13 and N15-labeled recombinant protein (NP_006490)   |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC220102   |
| Predicted MW:                         | 40.2 kDa   |
| Protein Sequence:                     | >RC220102 representing NM_006499<br>Red=Cloning site Green=Tags(s)<br><br>MMLSLNQLQNIYINPVIPFVGTIPDQLDPGTLIVIRGHVPSDADRQVLDLQNGSSMKPRADVAHFHNPFR<br>KRAGCIVCNTLINEKWGREEITYDTPFKREKSFEIVIMVLKDKFQVAVNGKHTLLYGHRIGPEKIDTLGI<br>YGKVNIIHSIGFSFSSDLQSTQASSLELEISRENVPKSGTPQLPSNRGGDISKIAPRTVYTKSKDSTVNH<br>TLTCTKIPPMNYVSKRLPFAARLNTPMGPGRTVVVKGEVNANAKSFNVDLLAGKSKDIALHLNPRNLKA<br>FVRNSFLQESWGEEERNITSFPFSPGMYFEMIIYCDVREFKVAVNGVHSLEYKHRFKELSSIDTLEINGD<br>IHLLEVRWS<br><br>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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:                               | <a href="#">NP_006490</a>  |
| RefSeq Size:                          | 2996   |
| RefSeq ORF:                           | 1077   |
| Synonyms:                             | Gal-8; PCTA-1; PCTA1; Po66-CBP   |
| Locus ID:                             | 3964   |



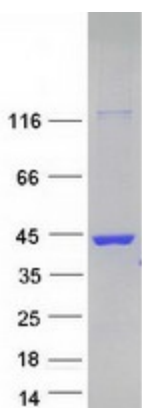
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UniProt ID: [O00214](#)

Cytogenetics: 1q43

**Summary:** This gene encodes a member of the galectin family. Galectins are beta-galactoside-binding animal lectins with conserved carbohydrate recognition domains. The galectins have been implicated in many essential functions including development, differentiation, cell-cell adhesion, cell-matrix interaction, growth regulation, apoptosis, and RNA splicing. This gene is widely expressed in tumoral tissues and seems to be involved in integrin-like cell interactions. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified LGALS8 protein (Cat# [TP320102]). The protein was produced from HEK293T cells transfected with LGALS8 cDNA clone (Cat# [RC220102]) using MegaTran 2.0 (Cat# [TT210002]).