

## Product datasheet for PH305135

### SERPINB8 (NM\_001031848) Human Mass Spec Standard

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | SERPINB8 MS Standard C13 and N15-labeled recombinant protein (NP_001027018)  |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC205135   |
| Predicted MW:                         | 27.7 kDa   |
| Protein Sequence:                     | >RC205135 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MDDLCEANGTFAISLFKILGEEDNSRNVFFSPMSISSALAMVFMGAKGSTAAQMSQALCLYKGDGDIHRGF<br>QSLLEVNRTGTQYLLRTANRLFGEKTCDFLPDFKEYCQKIFYQAELEELSAEDTEECRKHINDWVAEKT<br>EGKISEVLDAGTVDPLTKLVLVNAIYFKGKWNEQFDRKYTRGMLFKTNEEKKTVMFKEAKFKMGYADE<br>VHTQVLELPYVEEELSMVILLPDDNTDLAVKE<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| 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_001027018</a>   |
| RefSeq Size:                          | 1409   |
| RefSeq ORF:                           | 726  |
| Synonyms:                             | C18orf53; CAP2; PI-8; PI8; PSS5  |
| Locus ID:                             | 5271   |
| UniProt ID:                           | <a href="#">P50452</a> , <a href="#">Q8N178</a>  |



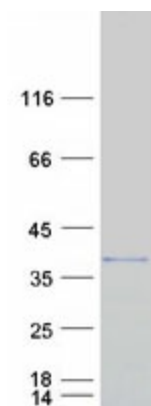
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**Cytogenetics:** 18q22.1

**Summary:** The protein encoded by this gene is a member of the ov-serpin family of serine protease inhibitors. The encoded protein is produced by platelets and can bind to and inhibit the function of furin, a serine protease involved in platelet functions. In addition, this protein has been found to enhance the mechanical stability of cell-cell adhesion in the skin, and defects in this gene have been associated with an autosomal-recessive form of exfoliative ichthyosis. [provided by RefSeq, Jan 2017]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified SERPINB8 protein (Cat# [TP305135]). The protein was produced from HEK293T cells transfected with SERPINB8 cDNA clone (Cat# [RC205135]) using MegaTran 2.0 (Cat# [TT210002]).