

Bioactive

# SERPINB2 (Human) Recombinant Protein

Catalog # P6385

Size 10 ug

## Specification

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description  | Human SERPINB2 (P05120) recombinant protein expressed in <i>E. Coli</i> .                                                                                                                                                                                                                                                                                                                                                                           |
| Sequence             | MEDLCVANTLFA LNLFKHLAKASPTQNLFLSPWSISSTAMVMGSRGSTEDQMAKVLQFNEVG<br>ANAVTPMTPENFTSCGFMQQIQKGSYPDAILQAQAADKIHSSFRSLSSAINASTGNYLLESVNKLF<br>GEKSASFREYIRLCQKYSSSEPQAVDFLECAEEARKKINSWVKQTQKGKIPNLLPEGSDGDTR<br>MVLVNAVYFKGKWKTPFEKKLNGLYPFRVNSAQRTVPVQMMYLREKLNIGYIEDLKAQILELPYAGD<br>VSMFLLLPEIADVSTGLELLESEITYDKLNKWTSDKDMAEDEVEVYPQFKLEEHYELRSILRSMG<br>MEDAFNKGRANFSGMSERNDLFLSEVFHQAMVDVNEEGTEAAAGTGGVMTGRTGHGGPQFVA<br>DHPFLFLIMHKITNCILFFGRFSSP |
| Host                 | Escherichia coli                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Theoretical MW (kDa) | 46                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Form                 | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity               | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Endotoxin Level      | <= 1 EUs/ug (LAL gel clot method)                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Activity             | Determined by the inhibitory effect against single chain tPA induced cleavage of a chromogenic substrate in Imidazole Buffer at 37°C.                                                                                                                                                                                                                                                                                                               |
| Storage Buffer       | Lyophilized from PBS, pH 7.2.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage Instruction  | Stored at -20°C to -80°C.<br>After reconstitution with sterile water not less than 0.1 mg/mL, store at -20°C to -80°C for 6 months, store at 4°C for 1 month.<br>Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                    |

## Applications

- Western Blot

- Functional Study

## Gene Info — SERPINB2

|                    |                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">5055</a>                                                                                                                                                  |
| Protein Accession# | <a href="#">P05120</a>                                                                                                                                                |
| Gene Name          | SERPINB2                                                                                                                                                              |
| Gene Alias         | HsT1201, PAI, PAI-2, PAI2, PLANH2                                                                                                                                     |
| Gene Description   | serpin peptidase inhibitor, clade B (ovalbumin), member 2                                                                                                             |
| Omim ID            | <a href="#">173390</a>                                                                                                                                                |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                             |
| Gene Summary       | clade B (ovalbumin)                                                                                                                                                   |
| Other Designations | plasminogen activator inhibitor 2 plasminogen activator inhibitor, type II (arginine-serpin) serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2 |

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