

Product datasheet for TP761167

Factor VIII (F8) (NM_019863) Human Recombinant Protein

Product data:

| Product Type: | Recombinant Proteins |
|--|---|
| Description: | Purified recombinant protein of Human coagulation factor VIII, procoagulant component (F8), transcript variant 2, full length, with N-terminal HIS tag, expressed in E. coli, 50ug |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | A DNA sequence encoding human full-length F8 |
| Tag: | N-His |
| Predicted MW: | 24.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 50 mM Tris-HCl, pH 8.0, 8 M urea |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP 063916</u> |
| Locus ID: | 2157 |
| UniProt ID: | <u>P00451</u> |
| RefSeq Size: | 2617 |
| Cytogenetics: | Xq28 |
| RefSeq ORF: | 648 |
| Synonyms: | AHF; DXS1253E; F8B; F8C; FVIII; HEMA |



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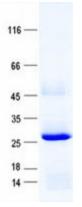
Sactor VIII (F8) (NM_019863) Human Recombinant Protein – TP761167

Summary: This gene encodes coagulation factor VIII, which participates in the intrinsic pathway of blood coagulation; factor VIII is a cofactor for factor IXa which, in the presence of Ca+2 and phospholipids, converts factor X to the activated form Xa. This gene produces two alternatively spliced transcripts. Transcript variant 1 encodes a large glycoprotein, isoform a, which circulates in plasma and associates with von Willebrand factor in a noncovalent complex. This protein undergoes multiple cleavage events. Transcript variant 2 encodes a putative small protein, isoform b, which consists primarily of the phospholipid binding domain of factor VIIIc. This binding domain is essential for coagulant activity. Defects in this gene results in hemophilia A, a common recessive X-linked coagulation disorder. [provided by RefSeq, Jul 2008]

| Protein Families: | Druggable Genome, Secreted Protein |
|-------------------|------------------------------------|
| | |

Protein Pathways: Complement and coagulation cascades

Product images:



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