

## Coagulation Factor VIII Recombinant Protein | F8 recombinant protein

Recombinant Coagulation Factor VIII (F8)

|                               |                                                           |                                                                           |
|-------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA144106</b> | HOST<br><b>Host: E ColiSource: Prokaryotic expression</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|

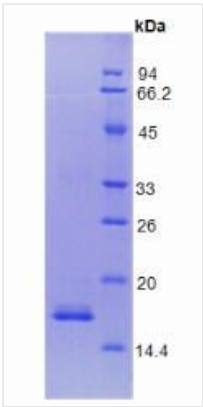
### PRODUCT SYNONYMS

Coagulation Factor VIII; Recombinant Coagulation Factor VIII (F8); F8 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Host: E Coli<br>Source: Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification                                | >95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Form/Format                                        | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Concentration                                      | 6.8 (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence                                           | The target protein is fused with N-terminal His-Tag, its sequence is listed below.<br>MHHHH HHSSGLVPRG SGMKETAAK FERQHMDSPD LGTDDDDKAM ADIGS-FQKT MKVTGVTTQG<br>VKSLTSMYV KEFLISSQD GHQWTLFFQN GKVKVFQGNQ DSFTPVVNSL DPPLLTRYLR IHPQSWVHQI<br>ALRMEVLGCE                                                                                                                                                                                                                                                                         |
| Sequence Length                                    | 2336                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Applicable Applications for F8 recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Predicted Molecular Mass                           | 16.2kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Accurate Molecular Mass (KD)                       | 17kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Endotoxin                                          | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expression System                                  | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tag                                                | N-terminal His-Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Organism Species                                   | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Fragment                                           | Phe2253-Glu2346                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Usage                                              | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage                            | Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.<br>Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |

IMAGES



Sequence

FQKTMKVT GVTQGVKSL LTSMYVKEFL ISSSQDGHQW TLFFQNGKVK  
VFQGNQDSFT PVVNSLDPPL LTRYLRHPQ SWVHQIALRM EVLGCE

SDS-PAGE

NCBI AND UNIPROT INFORMATION

|                           |                         |
|---------------------------|-------------------------|
| NCBI GI #                 | 284005234               |
| NCBI GeneID               | 100303761               |
| NCBI Accession #          | NP_001164742.1          |
| NCBI GenBank Nucleotide # | NM_001171271.1          |
| NCBI Official Full Name   | coagulation factor VIII |
| NCBI Official Symbol      | F8                      |
| NCBI Protein Information  | coagulation factor VIII |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/coagulation-factor-viii-recombinant-protein-host-e-coli-br-source-prokaryotic-expression-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/144106>