

# Human Coagulation factor XII/F12, Tag Free Protein

## HA211374



<b>Product name:</b>	Human Coagulation factor XII/F12, Tag Free
<b>Species reactivity:</b>	Human
<b>Bio-Activity:</b>	Testing in progress.
<b>Protein construction description:</b>	A DNA sequence encoding the human Coagulation factor XII/F12 protein (P00748) (Ile 20-Arg 372) was expressed with tag free.

**Background:** Coagulation factor XII, also known as Hageman factor, is a plasma protein involved in coagulation. It is the zymogen form of factor XIIa (EC 3.4.21.38), an enzyme of the serine protease (or serine endopeptidase) class. In humans, factor XII is encoded by F12 gene. Factor XII (FXII, Hageman factor) is a plasma glycoprotein of approximately 90 kDa and is part of the coagulation cascade. It activates factor XI and prekallikrein in vitro. FXII is activated to FXIIa by negatively charged surfaces such as glass, initiating the intrinsic pathway. FXII also plays a role in diagnostic coagulation assays called activated partial thromboplastin times (aPTT).

**Purity:** >95% as determined by SDS-PAGE.

**Endotoxin:** Less than 1.0 EU per µg by the LAL method.

**Fragment region:** Coagulation factor XII/F12 (20-372)

**Source:** HEK293

**Accession:** P00748

**Predicted molecular mass:** 40.4 kD

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

**Reconstitution:** Reconstitute at 250 µg/ml in sterile water.

**Storage:** Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

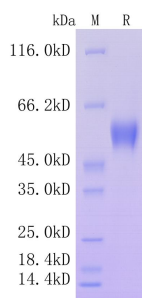
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**Fig1:** Protein on SDS-PAGE under reducing (R) condition.

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**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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