

# Human Cathepsin D, C-His Tag Protein

HA211077



<b>Product name:</b>	Human Cathepsin D, C-His Tag
<b>Species reactivity:</b>	Human
<b>Bio-Activity:</b>	Testing in progress.
<b>Protein construction description:</b>	A DNA sequence encoding the human Cathepsin D protein (P07339) (Leu 21-Leu 412) was expressed with a His tag at the C-terminus.

**Background:** Acid protease active in intracellular protein breakdown. Plays a role in APP processing following cleavage and activation by ADAM30 which leads to APP degradation. Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.

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

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

**Fragment region:** Cathepsin D (21-412)

**Source:** HEK293

**Accession:** P07339

**Predicted molecular mass:** 44.4 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.

Hangzhou Huaan Biotechnology Co., Ltd.

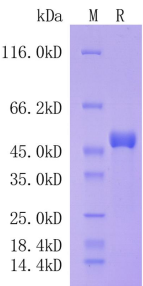
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**Fig1:** Protein on SDS-PAGE under reducing (R) condition.

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