

## Hepsin/HPN Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77961
Synonyms:	Hpxn; FLJ56652; Hemopexin; HPX; HX; Hepsin; HPN; TMPRSS1
Species:	Mouse
Source:	HEK293
Accession:	O35453 (T60-P436)
Gene ID:	15451
Molecular Weight:	18-22 kDa&30 kDa

### PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 20 mM NaAc, 150 mM NaCl, pH 5.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

#### Background

Hepsin/HPN, a serine protease, serves as a pivotal enzyme in the cleavage of extracellular substrates, contributing significantly to the proteolytic processing of growth factors like HGF and MST1/HGFL. Its involvement extends to key cellular functions, playing a crucial role in cell growth and the maintenance of cell morphology. Moreover, Hepsin/HPN is implicated in the proteolytic processing of ACE2, suggesting its participation in essential cellular pathways. Notably, this protease also mediates the cleavage of urinary UMOD, an integral step for the polymerization of UMOD, highlighting its diverse functions in modulating various biological processes.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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