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## Datasheet for ABIN871835

### TMPRSS15 Protein

#### Overview

Quantity:	500 IU
Target:	TMPRSS15
Origin:	Cow
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

#### Product Details

Sequence:	KPVSLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKSNNRQVC IDPKLKWIQE YLDKALNKRL KM
Characteristics:	A single non-glycosylated polypeptide chain containing 72 amino acids. Biological Activity: Fully biologically active when compared to standard. Determined by its ability to chemoattract human monocytes using a concentration range of 100.0-200.0 ng/ml.
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 1EU/µg of rRtSDF-1beta/CXCL12 as determined by LAL method.

#### Target Details

Target:	TMPRSS15
Alternative Name:	Enterokinase ( <a href="#">TMPRSS15 Products</a> )
Background:	SDF-1alpha and beta are stromal derived CXC chemokines, and signal through the CXCR4

## Target Details

receptor. SDF-1alpha and beta chemoattract B and T cells, and have been shown to induce migration of CD34+ stem cells. Additionally, the SDF-1 proteins exert HIV suppressive activity in cells expressing the CXCR4 receptor.

Molecular Weight: 8.4 kDa

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20° C. Further dilutions should be made in appropriate buffered solutions.

Buffer: Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.

Storage: 4 °C