

Recombinant Human MMP28 protein (His tag)

Catalog Number:PDEH100382



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	Matrix metalloproteinase-28;MMP28;Epilysin;MMP25
Species	Human
Expression Host	E.coli
Sequence	Try131-Lys389
Accession	Q9H239-1
Calculated Molecular Weight	28.4 kDa
Observed molecular weight	32 kDa
Tag	N-His & C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Epilysin, also known as matrix metalloproteinase-28 (MMP-28), is a secreted protein that belongs to the peptidase M10A family. Matrix metalloproteinase proteins are responsible for the breakdown of the extracellular matrix which is important for normal physiological processes such as tissue remodeling, reproduction and embryonic development. Epilysin is produced by proliferating keratinocytes and is responsible for mediating the degradation of casein. Its expression is upregulated in response to injury of the skin suggesting that Epilysin may be involved in tissue repair and homeostasis.

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