

Recombinant Human VWFCP/ADAMTS13 protein (His tag)



Catalog Number:PDEH100232

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

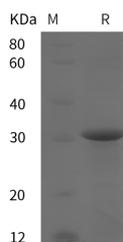
Description

Synonyms	ADAM-TS 13;ADAMTS 13;ATS13;C9orf8;TTP;Von Willebrand factor cleaving protease;vWF CP;vWF-cleaving protease
Species	Human
Expression Host	E.coli
Sequence	Thr 1151-Thr 1427
Accession	Q76LX8
Calculated Molecular Weight	30.4 kDa
Observed molecular weight	31 kDa
Tag	N-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.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Cleaves the vWF multimers in plasma into smaller forms thereby controlling vWF-mediated platelet thrombus formation. Zinc and calcium ions cooperatively modulate enzyme activity. The cleavage of the pro-domain is not required for protease activity. Dependence on calcium for proteolytic activity is mediated by the high affinity site.

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