

Datasheet for ABIN7550567
PM20D2 Protein (AA 1-436) (His tag)



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Overview

Quantity:	1 mg
Target:	PM20D2
Protein Characteristics:	AA 1-436
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PM20D2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PM20D2 Protein expressed in mammalian cells.
Sequence:	<p>MRPGGERPVE GGACNGRSEL ELLKLRSAC IDEAAERLGA LSRAIWSQPE LAYEEHHAHR</p> <p>VLTHFFEREP PAASWAVQPH YQLPTAFRAE WEPPEARAPS ATPRPLHLGF LCEYDALPGI</p> <p>GHACGHNLIA EVGAAAALGV RGALEGLPRP PPPVKVVVLG TPAEEDGGGK IDLIEAGFT</p> <p>NLDVVFMAHP SQENAAYLPD MAEHDVTVKY YGKASHSASY PWEGLNALDA AVLAYNNLSV</p> <p>FRQQMKPTWR VHGIKNGGV KPNIPSYSY LIYYFRAPSM KELQVLTKKA EDCFRAAALA</p> <p>SGCTVEIKGG AHDYYNVLPN KSLWKAYMEN GRKLGIEFIS EDTMLNGPSG STDFGNVSFV</p> <p>VPGIHPYFHI GSNALNHTAQ YTEAAGSQEA QFYTLRTAKA LAMTALDVIF KPELLEGIRE</p> <p>DFKLLQEEQ FVNAVE Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	PM20D2
Alternative Name:	PM20D2 (PM20D2 Products)
Background:	Xaa-Arg dipeptidase (EC 3.4.13.4) (Beta-Ala-Lys dipeptidase),FUNCTION: Catalyzes the peptide bond hydrolysis in dipeptides having basic amino acids lysine, ornithine or arginine at C-terminus. Postulated to function in a metabolite repair mechanism by eliminating alternate dipeptide by-products formed during carnosine synthesis. {ECO:0000269 PubMed:24891507}.
Molecular Weight:	47.8 kDa
UniProt:	Q8IYS1

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months