

Datasheet for ABIN7561988

PM20D2 Protein (AA 1-431) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PM20D2
Protein Characteristics:	AA 1-431
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PM20D2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Pm20d2 Protein expressed in mammalien cells.
Sequence:	<p>MGPVVERPAE PGTSSAAELE LLKRRAAERI DEAAERLGAL SRAIWSAPEL AYEEHRAHGE</p> <p>LTRFFECEPP AASWAVQPHF GLPTAFRAEW APPESAAGPR ALQVAFLCEY DALPALGHAC</p> <p>GHNLIAEVGV AAALGLRAAL ESIAAPPPVK VIVLGTPAEE DGGGKIDLIE AGAFENLDVV</p> <p>FMAHPSQENA AYLPDVAEHD VTVKYYGKAS HAAAYPWEGV NALDAAVLAY TNLSVLRQQM</p> <p>KPTWRVHGII KNGGVKPNII PSYSELVYYF RAPSMKELQV LTKKAEDCFR AAALATGCTV</p> <p>DIESEAHDYY NVIPNKTLCs AYTENGGKLG MEFISEDAVL NGPSGSTDFG NVSFVVPGIH</p> <p>PYFYIGTDAL NHTEQYTEAA GSQAAQLYTL RTAKALAMTA LDVIFKPALL EGVRKEFKCK</p> <p>LQEEQLLNTA A</p> <p>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>
Characteristics:	Key Benefits:

Product Details

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	PM20D2
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Alternative Name:	Pm20d2 (PM20D2 Products)
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Background:	Xaa-Arg dipeptidase (EC 3.4.13.4),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}.
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Molecular Weight:	46.5 kDa
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UniProt:	A3KG59
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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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