

Datasheet for ABIN7558737
DRD5 Protein (AA 1-478) (His tag)



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Overview

Quantity:	1 mg
Target:	DRD5
Protein Characteristics:	AA 1-478
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DRD5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Drd5 Protein expressed in mammalian cells.
Sequence:	<p>MLPPGRNGTA HRARLGLQRQ LAQVDAPGGS AAPLGPAQVV TAGLLTLLIV WTLLGNVLVC</p> <p>AAIVRSRHLR AKMTNIFIVS LAVSDLFVAL LVMPWKAVAE VAGYWPFQAF CDIWVAFDIM</p> <p>CSTASILNLC IISVDRYWAI SRPFYERKM TQRVALVMVA LAWTLISILIS FIPVQLNWHR</p> <p>DKAGSQGREG LLSNETPWEE GWELDGRTE CDSSLNRTYA ISSSLISFYI PVAIMIVTYT</p> <p>RIYRIAQVQI RRISSLERAA EHAQSCRSRG ACEPDPSLRA SIKKETKVFK TLSVIMGVFV</p> <p>CCWLPFFILN CMVPFCSSGD AQGPRTGFPC VSETTFDIFV WFGWANSSLN PIYAFNADF</p> <p>RKVFAQLLGC SHLCFRTPVQ TVNISNELIS YNQDTVHRE IAAAYVHMIP NAVSSGDREV</p> <p>GEEEEEEEEG PFDHMSQISP TTPDGDAAE SVWELDCEEE VSLGKISPLT PNCFHKTA Sequence</p> <p>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>

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).
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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:	DRD5
Alternative Name:	Drd5 (DRD5 Products)
Background:	D(1B) dopamine receptor (D(5) dopamine receptor) (Dopamine D5 receptor),FUNCTION: Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase. {ECO:0000250}.
Molecular Weight:	53.1 kDa
UniProt:	Q8BLD9
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones , cAMP Metabolic Process , Regulation of long-term Neuronal Synaptic Plasticity

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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Application Details

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