

Datasheet for ABIN7552111 GPT2 Protein (AA 1-523) (His tag)



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Overview

Quantity:	1 mg
Target:	GPT2
Protein Characteristics:	AA 1-523
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPT2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GPT2 Protein expressed in mammalian cells.
Sequence:	MQRAAALVRR GCGPRTSSW GRSQSSAAAE ASAVLKVRPE RSRRRERILTL ESMNPQVKAV EYAVRGPIVL KAGEIELELQ RGIKKPFTEV IRANIGDAQA MGQQPITFLR QVMALCTYPN LLDSPSPFED AKKRARRILQ ACGGNSLGSY SASQGVNCIR EDVAAYITRR DGGVPADPDN IYLTTGASDG ISTILKILVS GGGKSRTGVM IPIPQYPLYS AVISELDAIQ VNYYLDEENC WALNVNELRR AVQEAKDHCD PKVLCIINPG NPTGQVQSRK CIEDVIHFAW EEKLFLLADE VYQDNVYSPD CRFHSFKKVL YEMGPEYSSN VELASFHSTS KGYMGECGYR GGYMEVINLH PEIKGQLVKL LSVRLCPPVS GQAAMDIVVN PPVAGEESFE QFSREKESVL GNLAKKAKLT EDLFNQVPGI HCNPLQGAMY AFPRIFIPAK AVEAAQAHQM APDMFYCMKL LEETGICVVP GSGFGQREGT YHFRMTILPP VEKLKTVLQK VKDFHINFLE KYA 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.

Product Details

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.
Characteristics:	Key Benefits: • 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	GPT2
Alternative Name:	GPT2 (GPT2 Products)
Background:	Alanine aminotransferase 2 (ALT2) (EC 2.6.1.2) (Glutamate pyruvate transaminase 2) (GPT 2) (Glutamic--alanine transaminase 2) (Glutamic--pyruvic transaminase 2),FUNCTION: Catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate. {ECO:0000269 PubMed:11863375}.
Molecular Weight:	57.9 kDa
UniProt:	Q8TD30

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.
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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