

Datasheet for ABIN7562200
OGG1 Protein (AA 1-345) (His tag)



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Overview

Quantity:	1 mg
Target:	OGG1
Protein Characteristics:	AA 1-345
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OGG1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ogg1 Protein expressed in mammalian cells.
Sequence:	MLFRSWLPSS MRHRTLSSSP ALWASIPCPR SELRLDLVLA SGQSFRWKEQ SPAHWSGVLA DQVWTLTQTE DQLYCTVYRG DDSQVSRPTL EELETLHKYF QLDVSLAQLY SHWASVDSHF QRVAQKFQGV RLLRQDPTEC LFSFICSSNN NIARITGMVE RLCQAFGPRL IQLDDVTYHG FPNLHALAGP EAETHLRKLG LGYRARYVRA SAKAILEEQG GPAWLQQLRV APYEEAHKAL CTLPGVGAKV ADCICLMALD KPQAVPVDVH VWQIAHRDYG WHPKTSQAKG PSPLANKELG NFFRNLWGPY AGWAQAVLFS ADLRQPSLSR EPPAKRKKGS KRPEG 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.
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:

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	OGG1
Alternative Name:	Ogg1 (OGG1 Products)
Background:	N-glycosylase/DNA lyase [Includes: 8-oxoguanine DNA glycosylase (EC 3.2.2.-), DNA-(apurinic or apyrimidinic site) lyase (AP lyase) (EC 4.2.99.18)],FUNCTION: DNA repair enzyme that incises DNA at 8-oxoG residues. Excises 7,8-dihydro-8-oxoguanine and 2,6-diamino-4-hydroxy-5-N-methylformamidopyrimidine (FAPY) from damaged DNA. Has a beta-lyase activity that nicks DNA 3' to the lesion.
Molecular Weight:	38.9 kDa
UniProt:	O08760
Pathways:	DNA Damage Repair

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