

Datasheet for ABIN7563831
Aox2 Protein (AA 1-1345) (His tag)



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Overview

Quantity:	1 mg
Target:	Aox2 (AOX2P)
Protein Characteristics:	AA 1-1345
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Aox2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Aox2 Protein expressed in mammalian cells.
Sequence:	MPCPAQISDD LEFFVNGRKV TEKNVDPEVT LLAFLRKNLG LTGTKDACGT GGCGACTVMV SQHDPVCKKT RHFSVMACLV PLCSLHGAHV TTEGVGSIK TRLHPVQERI AKSHGTQCGF CTPGMVMSIY TLLRNHPQPS EEQLMEALGG NLCRCTGYRP ILESGRTFCM EPDGCPQKGT GQCCLDQKES DSSGSKSDIC TKLFVKDEFQ PLDPTQELIF PPELLRMAEN PEKQTLTFYG ERITWIAPGT LQELLVLKAK YPEAPLISGN TALGPAMKSQ GHFYPVLLSP ARIPDLRMVT KTSGLTIGA CCSLAQVKDI LAESISLPQ EKTQTYRALL KHLRSLAGQQ IRNMA SLGGH VISRHCYSDL NPILSVGNNT LNLSEEGPR QIPLSGHFLA GLASADLKPE EILGSVYIPH SQKREFVSAF RQAQCHQNAL PDVNAGMRVL FREGTDVIEE LSIAYGGVGP TTVSAQRSCQ QLLGRRWNAL MLDEACRLLL DEVSLPGSAL GSKVEFRRTL IVSLFFKFYL EVLQELKADQ KLPPESTDSQ RYPEIADRFL SSLGDFQVTL PRGVQTYQRV DSHQPLQDPV GRPIMHLSGL KHATGEAVFC DDIPRVKEL FMALVTSTRA HARIISIDSS EVLDLPGVVD VITAEDIPGN NGEEDKLLA VDKVLCVGQV ICAVVAETDV QAKRATEKIK ITYEDLKPVI FTIEDAIKHN

SFLCPEKKLE QGNIEEAFEN VDQVAEGTVH VGGQEHFYME TQRVLVIPKT EDKELDMYVS
TQDPAHVQKT VSSTLNIPIS RITCHVKRVG GFGGKVGSRP AVFGAIAAVG AVKTGHPIRL
VLDREDDMLI TGGRHPLFAK YKVGFMNSGR IKALDIECYI NGGCTLDDSE LVTEFLVLKL
ENAYKIRNLR LRGRACMTNL PSNTAFRGFG FPQALVTES CITAVAAKCG LPPEKIREKN
MYKTVDKIY KQAFNPDLI RCWNECLDKS SFHIRRTRVD EFNKKSYYWK RGAIVPMKF
SVGFAATSYPH QAAALVHIYT DGSVLVAHGG NELGQGIHTK MLQVASRELK IPLSYLHICE
TSTTTVPNTI ATAASVGADV NGRAVQNACQ ILLKRLEPVI KKNPEGTWRD WIEAAFEKRI
SLSATGYFRG YKAFMDWEKG EGDPPFYVYVY GAACSEVEID CLTGAHKIR TDIVMDACCS
LNPAIDIGQI EGAFIQMGL YTTTEELLYSP EGVLYSRSPD KYKIPTVTDV PEQFNVSLLP
SSQTPLTLYS SKGLGESGMF LGSSVFFAIV DAVAAARRQR DIAEDFTVKS PATPEWVRMA
CADRFTDMIP RDDPKTFKPW SIPIA **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:

- 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:	Aox2 (AOX2P)
Alternative Name:	Aox2 (AOX2P Products)
Background:	Aldehyde oxidase 2 (EC 1.2.3.1) (Aldehyde oxidase homolog 3) (Azaheterocycle hydroxylase 2) (EC 1.17.3.-),FUNCTION: Oxidase with broad substrate specificity, oxidizing aromatic azaheterocycles, such as phthalazine, as well as aldehydes, such as benzaldehyde and retinal. Cannot use hypoxanthine as substrate. {ECO:0000269 PubMed:15383531}.
Molecular Weight:	147.9 kDa
UniProt:	Q5SGK3

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