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Datasheet for ABIN7564609

OPLAH Protein (AA 1-1288) (His tag)

Overview

Quantity:	1 mg
Target:	OPLAH
Protein Characteristics:	AA 1-1288
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OPLAH protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Oplah Protein expressed in mammalian cells.
Sequence:	MGSPEERFHF AIDRGGTFTD VFAQCPGGHV RVLKLLSEDP ANYADAPTEG IRRILEQERG VLLPRGRPLD TSHIASIRMG TT VATNALLE RQGERVALLV TRGFRDLLHI GTQARPD LFD LAVPMPEVLY EEVVEVD ERV LLYRGEPGAG SPVKGCTGDL LEIQQPVDLA ALRGKLEGLL TRGIHSLAVV LMHSYTWAQH EQQVGT LARE LGFTHVSLSS EVMPMVRIVP RGHTACADAY LTPTIQRYVQ GFRRGFQQL KNVQVLFMRS DGGLAPMDAF SGSRAVLSPG AGGVVGYSTT TYQLEGGQPV IGFDMGGTST DVSRYAGEFE HVFEASTAGV TLQAPQLDIN TVAAGGGSRL FFRSGLFVVG PESAGAHPGP ACYRKGGPVT VTDANLVLGR LLPASFPCIF GPGEDQPLSP EASRKALEAV AMEVNSFLAS GPCPASQLSL EEVAMGFVRV ANEAMCRPIR ALTQARGHDP SAHVLACFGG AGGQHACAIA RALGMDTVHI HRHSGLLSAL GLALADVHE AQEPCSLSYT PETFAQLDQR LSRLEEQCVD ALQAQGF SRS QISTESFLHL RYQGTDCALM V SANQHPATT CSPRAGDFGA AFVERYMREF GFII PERSV VDDVRVRGTG RSLQLEETS KIQSGPPHVE KVTQCYFEGG YQETPVYLLG ELGYGHQLQG PCLIIDNNST ILVEPGCQAE VIETGDIRIS

VGAEAPSMID TKLDPIQLSI FSHRFMSIAE QMGRILQRTA ISTNIKERLD FSCALFGPDG
GLVSNAPHIP VHLGAMQETV QFQIQHLGAD LHPGDVLLSN HPSAGGSHLP DLTVITPVFW
PGQSRPVFYV ASRGHHADIG GITPGSMPPH STTLQQEGAV FLSFKLVQGG VFQEEAVTEA
LQAPGKISGC SGTRNLHDNL SDLRAQVAAN QKGIQLVGEL IGQYGLDVVQ AYMGHQANA
ELAVRDMLRA FGTSRQARGL PLEVSAKDHM DDGSPICLHV QINLNQGS AV FDFSGSGSEV
FGNLNAPRAI TLSALIYCLR CLVGRDIPLN QGCLAPVQVI IPKGSILDPS PEAADVGGNV
LTSQRVVDVI LGAFGACAAS QGCMNNVTLG NARMGYETV AGGAGAGPGW HGRSGVHSHM
TNTRITDPEI LESRYPVILR RFELRPGSGG RGRFRGGDGV VRELVFREEA LLSVLTERRA
FQPYGLHGGE PGTRGLNLLI RKDGRTVNLG GKTSVTVYYPG DAFCLHTPGG GYGDPEDPA
PPPGSPPLYP AFPERGSVYE YRRAQEAV **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:	OPLAH
Alternative Name:	Oplah (OPLAH Products)
Background:	5-oxoprolinase (EC 3.5.2.9) (5-oxo-L-prolinase) (5-OPase) (Pyroglutamase),FUNCTION: Catalyzes the cleavage of 5-oxo-L-proline to form L-glutamate coupled to the hydrolysis of ATP to ADP and inorganic phosphate. {ECO:0000250 UniProtKB:Q75WB5}.
Molecular Weight:	137.6 kDa
UniProt:	Q8K010

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