OAF Cell Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	OAF, Cell Lysate
Full Product Name	Human OAF HEK293 Overexpression Lysate
Product Gene Name	OAF cell lysate
Product Synonym Names	Human OAF homolog HEK293 Cell Lysate (WB positive control); OAF homolog (Drosophila); Human NS5ATP13TP2 Overexpression Lysate
Sequence	Met1-Gly27 3
Host	HEK293 Cells
Form/Format	1x Sample Buffer (1x modified RIPA buffer+1x SDS loading buffer). Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Preparation and Storage	Store at 4 degree C for up to twelve months from date of receipt. After re-dissolution, aliquot and store at -80 degree C for up to twelve months. Avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt.
Molecular Weight	30,688 Da
Sequence Positions	257aa
3D Structure	ModBase 3D Structure for Q86UD1
Species	Human
Recommend Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.**2. Re-dissolve the pellet using 200uL pure water and boil for 2-5 min.**
Sequence Construction	A DNA sequence encoding the human OAF (NP_848602.1) (Met1-Gly273) was expressed with a polyhistidine tag at the C-terminus.
Preparation Method	Cell lysate was prepared by homogenization of the over-expressed cells in ice-cold modified RIPA Lysis Buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation. Protein concentration was determined by Bradford assay (protein assay, Microplate Standard assay). The cell lysate was boiled for 5 min in 1 x SDS loading buffer (50mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Applications Tested/Suitable for OAF cell lysate	Western Blot (WB)
Application Notes for OAF cell lysate	WB: Use at an assay dependent dilution.
Related Product Information for OAF cell lysate	This Human OAF overexpression lysate was created in HEK293 Cells and intented for use as a Western blot (WB) positive control. Purification of OAF protein from the overexpression lysate was verified.
Other Notes	Small volumes of OAF cell lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for OAF purchase	MBS8115264 is a cell lysate targeting OAF. Also known as Human OAF HEK293 Overexpression Lysate. Host: HEK293 Cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OAF. It may not necessarily be applicable to this product.

NCBI GI #	30425438
NCBI GeneID	220323
NCBI Accession #	NP_848602.1
UniProt Primary Accession #	Q86UD1
UniProt Related Accession #	Q86UD1
GenBank Nucleotide #	NM_178507.2
NCBI Official Full Name	out at first protein homolog
NCBI Official Synonym Full Names	OAF homolog (Drosophila)
NCBI Official Symbol	OAF
NCBI Official Synonym Symbols	NS5ATP13TP2
UniProt Protein Name	Out at first protein homolog
UniProt Synonym Protein Names	HCV NS5A-transactivated protein 13 target protein 2
Protein Family	Out at first protein
UniProt Gene Name	OAF
UniProt Synonym Gene Names	NS5ATP13TP2
UniProt Entry Name	OAF_HUMAN
NCBI Protein Information	out at first protein homolog; HCV NS5A-transactivated protein 13 target protein 2
UniProt Comments for OAF	Sequence similarities: Belongs to the OAF family.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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