

Human OXGR1 Knockdown Cell Lysate

Cat. No. OXGR1-258HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated OXGR1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a G protein-coupled receptor (GPCR) that belongs to the oxoglutarate receptor family within the GPCR superfamily. The encoded protein is activated by the citric acid intermediate, oxoglutarate, as well as several cysteinyl leukotrienes, including leukotrienes E4, C4 and D4, which are implicated in many inflammatory disorders. In mice, a knock-out of this gene leads to middle ear inflammation, changes in the mucosal epithelium, and an increase in fluid behind the eardrum, and is associated with hearing loss. Alternative splicing results in multiple transcript variants.
Form	Cell-Tissue Lysis buffer
Molecular Mass	38 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg OXGR1 KD HeLa cell lysate
Protein Families	Druggable Genome, GPCR, Transmembrane
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	OXGR1 oxoglutarate (alpha-ketoglutarate) receptor 1 [Homo sapiens (human)]
Official Symbol	OXGR1
Synonyms	OXGR1; oxoglutarate (alpha-ketoglutarate) receptor 1; G protein coupled receptor 80, GPR80, GPR99; 2-oxoglutarate receptor 1; P2RY15; P2Y15; P2Y-like GPCR; P2Y purinoceptor 15; oxoglutarate receptor 1; P2Y-like nucleotide receptor; G protein-coupled receptor 80; G protein-coupled receptor 99; G-protein coupled receptor 80; G-protein coupled receptor 99; alpha-ketoglutarate receptor 1; seven transmembrane helix receptor; GPR80; GPR99; MGC119206; MGC119207; MGC119208;
Gene ID	27199
mRNA Refseq	NM_080818
Protein Refseq	NP_543008
MIM	606922

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