Recombinant Human GPER1 Over-expression Lysate, C-Myc/DDK tagged

Cat. No. GPER1-58HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GPER1 cell transient overexpression lysate (as WB positive control) with C-Myc/DDK tag was expressed in HEK293T. Components: 1 vial of 20 µg lyophilized gene specific transient over-expression cell lysate
Species	Human
Source	HEK293
Description	This gene encodes a multi-pass membrane protein that localizes to the endoplasmic reticulum and a member of the G-protein coupled receptor 1 family. This receptor binds estrogen and activates multiple downstream signaling pathways, leading to stimulation of adenylate cyclase and an increase in cyclic AMP levels, while also promoting intracellular calcium mobilization and synthesis of phosphatidylinositol 3,4,5-trisphosphate in the nucleus. This protein therefore plays a role in the rapid nongenomic signaling events widely observed following stimulation of cells and tissues with estrogen. This receptor has been shown to play a role in diverse biological processes, including bone and nervous system development, metabolism, cognition, male fertility and uterine function.
Molecular Mass	42.1 kDa
Stability	Lysate samples are stable for 12 months from date of receipt when stored at -20

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	centigrade.
Storage	Upon receiving, store the sample at -20 centigrade. Avoid repeated freeze-thaw cycles after reconstitution.
Shipping	At ambient temperature
Reconstitution	Lysate samples can be reconstituted with SDS Sample Buffer.

GENE INFORMATION

Gene Name	GPER1 G protein-coupled estrogen receptor 1 [Homo sapiens (human)]
Official Symbol	GPER1
Synonyms	GPER1; G protein-coupled estrogen receptor 1; mER; CEPR; GPER; DRY12; FEG-1; GPR30; LERGU; LyGPR; CMKRL2; LERGU2; GPCR-Br; G-protein coupled estrogen receptor 1; G protein-coupled receptor 30; IL8-related receptor DRY12; chemoattractant receptor-like 2; chemokine receptor-like 2; constitutively expressed peptide-like receptor; flow-induced endothelial G-protein coupled receptor 1; heptahelix receptor; lymphocyte-derived G-protein coupled receptor; membrane estrogen receptor
Gene ID	2852
mRNA Refseq	NM_001098201
Protein Refseq	NP_001091671
MIM	601805

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UniProt ID	Q99527

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