Active Recombinant Full Length Human OXR1 Protein, N-His-tagged

Cat. No. OXR1-1031HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human OXR1 Protein, fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
Description	Predicted to enable oxidoreductase activity. Predicted to be involved in response to oxidative stress. Predicted to act upstream of or within several processes, including adult walking behavior; negative regulation of neuron death; and negative regulation of peptidyl-cysteine S-nitrosylation. Predicted to be located in mitochondrion and nucleolus. Predicted to be active in nucleus. Implicated in cerebellar hyplasia/atrophy, epilepsy, and global developmental delay.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Bio-activity	Binding assay
Molecular Mass	84.8 kDa
AA Sequence	A DNA sequence encoding human full-length OXR1.
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Full Length	Full L.

GENE INFORMATION

Gene Name	OXR1 oxidation resistance 1 [Homo sapiens (human)]
Official Symbol	OXR1
Synonyms	TLDC3; CHEGDD; Nbla00307
Gene ID	55074
mRNA Refseq	NM_181354.4
Protein Refseq	NP_851999.2
MIM	605609
UniProt ID	Q8N573
SDS-PAGE	
	Human recombinant OXR1 protein was incubated with biotin-labeled

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piperlongumine (PL), a novel senolytic agent, in the absence or presence of a fivefold excess of unlabeled PL followed by immunoblotting with antibodies against biotin to detect OXR1 bound to the biotin-labeled PL probe. An immunoblot of OXR1 from each reaction was included as input control.

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