

Recombinant Human OTOR Protein (112 aa)

Cat. No. OTOR-0630 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OTOR Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	112
Description	OTOR, also called Otoraplin and MIAL, is a secreted cytokine and a member of the MIA/OTOR family. Members of this family which also includes MIA, MIA2, and TANGO share a Src homology-3 (SH3)-like domain. OTOR is predominantly expressed in the cochlea of the inner-ear and to a lesser extent in fetal brain and in some cartilage tissues. OTOR appears to be involved in early chondrogenesis of the otic capsule, which is required for normal inner ear development and auditory function.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Data Not Available.
Molecular Mass	12.7 kDa, a single non-glycosylated polypeptide chain containing 112 amino acids.
AA Sequence	MVHGIFMDRLASKKLCADDECVTISLASAQEDYNAPDCRFINVKKGQQIYVYSKLV KENGAGEFWAGSVYGDGQDEMGVVGYFPRNLVKEQRVYQEATKEVPTTDIDFFCE

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Endotoxin	Less than 1 EU/μg of rHuOTOR as determined by LAL method.
Storage	This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 to -70 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	OTOR otoraplin [Homo sapiens]
Official Symbol	OTOR
Synonyms	OTOR; otoraplin; FDP; MIAL; MIAL1; fibrocyte-derived protein; melanoma inhibitory activity-like protein; MGC126737; MGC126739;
Gene ID	56914
mRNA Refseq	NM_020157
Protein Refseq	NP_064542

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MIM	606067
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UniProt ID	Q9NRC9
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