OTOR Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Otoraplin, MIAL

Cat. No.:

RBG10258005	(5 µg)
RBG10258020	(20 µg)
RBG10258100	(100 µg)

Description

OTOR, also called Otoraplin and MIAL, is a secreted cytokine of the MIA/OTOR family. Members of this family, which include 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 tissue and 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. Recombinant Human OTOR is a 12.7 kDa globular protein containing 112 amino acid residues.

Research topic

Cytokines and chemokines and related molecules

Amino Acid Sequence

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MVHGIFMDRL ASKKLCADDE CVYTISLASA QEDYNAPDCR FINVKKGQQI YVYSKLVKEN GAGEFWAGSV YGDGQDEMGV
VGYFPRNLVK EQRVYQEATK EVPTTDIDFF CE
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Source

E. coli

Purity

98%

Biological Activity

Data Not Available.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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