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32-6516: OTOR Human, His

Alternative Name : Otoraplin, Melanoma Inhibitory Activity-Like Protein, Fibrocyte-Derived Protein, FDP, MIAL1, MIAL, Melanoma inhibitory activity-like protein.

Description

Source: Escherichia Coli.
Sterile Filtered clear solution.
OTOR proteins is also known as fibrocyte-derived protein (Fdp) and Melanoma inhibitory activity-like (MIAL). Otoraplin is a member of the melanoma-inhibiting activity gene family. Otoraplin is a secreted 16 kDa globular protein that is expressed in the inner ear by periotic mesenchyme and developing and mature fibrocytes. OTOR is highly homologous to MIA/cartilage-derived retinoic acid-sensitive protein (CD-RAP), which is a cartilage-specific protein that is also expressed in malignant melanoma cells. The 111 amino acid mature human otoraplin contains 1 SH3 domain (46 Â– 107 amino acids) and a Tyr at position 50 that is reportedly sulfated. Otoraplin takes pasrt in the initiation of periotic mesenchyme chondrogenesis.Otoraplin is secreted through the Golgi apparatus and plays a role in cartilage development and maintenance. A frequent polymorphism in the translation start codon of OTOR can abolish translation and may be associated with forms of deafness.
OTOR Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 128 amino acids (26-128 a.a) and having a molecular mass of 14.3kDa. OTOR is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	OTOR protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4), 30% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMLASKK LCADDECVYT ISLASAQEDY NAPDCRFINV KKGQQIYVYS KLVKENGAGE FWAGSVYGDG QDEMGVVGYF PRNLVKEQRV YQEATKEVPT TDIDFFCE.

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