

## 32-4024: Recombinant Human Immunity-Related GTPase Family, M

**Alternative Name :** Immunity-related GTPase family M protein, Immunity-related GTPase family M protein1, Interferon-inducible protein 1, LPS-stimulated RAW 264.7 macrophage protein 47 homolog, LRG-47, IRGM, IFI1, IRGM1, LRG47.

### Description

Source : Escherichia Coli. IRGM Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 180 amino acids (23-181) and having a molecular mass of 20.1 kDa. IRGM is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Immunity-related GTPase family M protein (IRGM) is essential for clearance of severe protozoan and bacterial infections. IRGM belongs to the p47 immunity-related GTPase family. IRGM serves in innate immune response possibly via regulation of autophagy. IRGM regulates proinflammatory cytokine production and inhibit endotoxemia upon infection and also has a part in macrophages adhesion and motility. Polymorphisms which modify the natural expression of the IRGM gene are associated with a susceptibility to Crohn's disease and tuberculosis.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** The IRGM solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M urea and 10% glycerol.  
**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 MKETLKIVSR TPVNITMAGD SGNGMSTFIS ALRNTGHEGK ASPPTELVKA  
 TQRCASYFSS HFSNVVLWDL PGTGSATTTL ENYLMEMQFN RYDFIMVASA QFSMNHVMLA  
 KTAEDMGKKF YIVWTKLDMD LSTGALPEVQ LLQIRENVLE NLQKERVCEY.

