

## MRAS Human

**Description:** MRAS Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 225 amino acids (1-205 a.a.) and having a molecular mass of 25.7kDa. MRAS is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-1015

For research use only.

**Synonyms:** Ras-related protein M-Ras, Ras-related protein R-Ras3, MRAS, RRAS3, M-RAs, R-RAS3.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MATSAVPSDN LPTYKLVVVG  
DGGVGKSALT IQFFQKIFVP DYDPTIEDSY LKHTIEDNQW AILDVLDTAG QEEFSAMREQ  
YMRTGDGFLI VYSVTDKASF EHVDRFHQLI LRVKDRESFP MILVANKVDL MHLRKITREQ  
GKEMATKHNI PYIETSAKDP PLNVDKAFHD LVRVIRQQIP EKSQKKKKKT KWRGDRATGT  
HKLQC.

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

MRAS protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 40% glycerol, 200mM NaCl and 2mM EDTA.

**Stability:**

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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Ras-related protein M-Ras (MRAS) is a member of the RAS superfamily. These family members are membrane-anchored, intracellular signal transducers in charge of various normal cellular functions. They are oncogenically stimulated in a substantial fraction of tumors. MRAS serves as a significant signal transducer for novel upstream stimuli in controlling cell proliferation.

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