

MORC3 Protein, Human, Recombinant (His & SUMO)

General Information

Synonyms:	NXP2;Nuclear matrix protein 2;Zinc finger CW-type coiled-coil domain protein 3;KIAA0136;MORC family CW-type zinc finger protein 3;MORC3;ZCWCC3
Protein Construction:	1-290 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q14149
Molecular Weight:	48.7 kDa (predicted)
AA Sequence:	MAAQPPRGIRLSALCPKFLHTNSTSHTWPFSAVAELIDNAYDPDVNAKQIWIDKTVINDHICLTFTDNGNGMT SDKLHKMLSFGFSDKVTMNGHVPVGLYGNFGKSGSMRLGKDAIVFTKNGESMSVGLLSQTYLEVIVKAEHVVV PIVAFNKHRQMINLAESKASLAAILEHSLFSTEQKLLAELDAIIGKKGTRIIIWNLRSYKNATEFDFEKDKYDIRIP EDLDEITGKKGYKKQERMDQIAPESDYSRLAYCSILYLKPRMQIILRGQKVKTQLVSKSLAYIERDVY

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Nuclear factor which forms MORC3-NBs (nuclear bodies) via an ATP-dependent mechanism. Sumoylated MORC3-NBs can also associate with PML-NBs. Recruits TP53 and SP100 to PML-NBs, thus regulating TP53 activity. Binds RNA in vitro. May be required for influenza A transcription during viral infection. Histone methylation reader which

A DRUG SCREENING EXPERT

binds to non-methylated (H3K4me0), monomethylated (H3K4me1), dimethylated (H3K4me2) and trimethylated (H3K4me3) 'Lys-4' on histone H3. The order of binding preference is H3K4me3 > H3K4me2 > H3K4me1 > H3K4me0.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481