

Product Information

KDM5C (1-671), GST-tagged, human recombinant, expressed in *Sf9* insect cells

Catalog Number **SRP5221**
Storage Temperature -70°C

Synonyms: JARID1C, DXS1272E, MRXJ, MRXSJ, XE169

Product Description

KDM5C or lysine (K)-specific demethylase 5C is a member of the SMCY homolog family that encodes a protein with one ARID domain, one JmjC domain, one JmjN domain, and two PHD-type zinc fingers. KDM5C is mainly expressed in brain and skeletal muscle. KDM5C is involved in the regulation of transcription and chromatin remodeling that cause X-linked mental retardation.¹ KDM5C is also essential for spermatogenesis and expression of male-specific minor histocompatibility antigens.²

Recombinant human KDM5C (1-671) was expressed by baculovirus in *Sf9* insect cells using an N-terminal GST tag. The gene accession number is BC054499. Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: ~118 kDa

Purity: 70–95% (SDS-PAGE, see Figure 1)

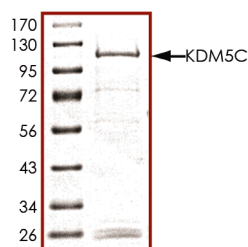
Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and storage at -70°C is recommended. After opening, aliquot into smaller quantities and store at -70°C . Avoid repeated handling and multiple freeze/thaw cycles.

Figure 1.
SDS-PAGE Gel of Typical Lot
70–95% (densitometry)



References

1. Jensen, L.R. et al., Mutations in the JARID1C gene, which is involved in transcriptional regulation and chromatin remodeling, cause X-linked mental retardation. *Am. J. Hum. Genet.*, **76**, 227-236 (2005).
2. Agulnik, A.I. et al., A mouse Y chromosome gene encoded by a region essential for spermatogenesis and expression of male-specific minor histocompatibility antigens. *Hum. Molec. Genet.*, **3**, 873-878 (1994).

FF,DKF,MAM 10/11-1