

Product Datasheet

RecombinantTNF- α , Mouse(P.pastoris-expressed) (orb1494607)

Description	Sharing 79% sequence identity with human Tumor Necrosis Factor-alpha (hTNF- α), mouse Tumor Necrosis Factor-alpha (mTNF- α) is a cytokine mainly expressed by immune cells [1]. A type II transmembrane protein, TNF- α is further proteolytically processed to a soluble form [2]. The trimeric active TNF- α [3] then exerts its diverse biological properties including gapoptosis, inflammation, autoimmunity and cell proliferation by binding to TNF Receptor 1 and 2 [4]. Recombinant mouse Tumor Necrosis Factor-alpha (rmTNF- α) produced in P.pastoris is a fully biologically active polypeptide chain of 152 amino acids with a molecular mass of 17 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.
Endotoxins	< 1 EU/ μ g, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant mouse Tumor Necrosis Factor-alpha (rmTNF- α) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rmTNF- α should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH2O or PBS at 100 μ g/ml.
Protein Sequence	SQNSSD KPVAHVVANH QVEEQLEWLS QRANALLANG MDLKDNQLVV PADGLYLVYS QVLFKGGQCP DYVLLTHTVS RFAISYQEKV NLLSAVKSPC PKDTPEGAEL KPWYEPIYLG GVFQLEKGDQ LSAEVNLPKY LDFAESGQVY FGVIAL
Purity	> 95% as analyzed by reducing SDS-PAGE.
Source	P. pastoris
MW	17kDa, observed by reducing SDS-PAGE.

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Expiration Date

6 months from date of receipt.

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