Recombinant mouse ErbB3/Her3 protein

Catalog Number: ATGP3302

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
20-641aa

UniProt No.
Q61526

NCBI Accession No.
NP_034283

Alternative Names
ERBB3, C76256, Erbb-3, Erbb3r, Her3

PRODUCT SPECIFICATION

Molecular Weight
69.5 kDa (630aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
ERBB3, also known as receptor tyrosine-protein kinase erbB-3, is a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This protein has been shown to implicate in numerous cancers, including prostate, bladder, and breast tumors. Also, it is found in epithelial cell layers of gastrointestinal, reproductive, urinary, endocrine and nervous systems, skin and muscle. ERBB3 has different

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isoforms derived from alternative splicing variants, and among which, the secreted isoform lacking the intermembrane region modulates the activity of membrane-bound form. Recombinant mouse ERBB3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

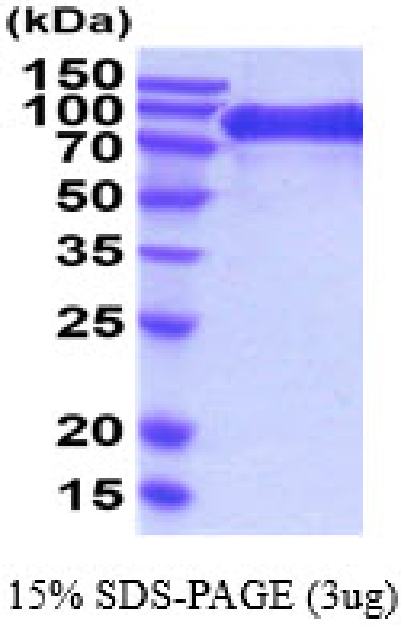
SEMGNSQAVC PGTLNGLSVT GDADNQYQTL YKLYEKCEVV MGNLEIVLTG HNADLSFLQW IREVTGYVLV AMNEFSVLPL PNLRVVRGTQ VYDGKFAIFV MLNYNTNSSH ALRQLRFTQL TEILLGGVYI EKNDKLCHMD TIDWRDIVRV PDAEIVVKNN GGNCPPCHEV CKGRCWGPGP EDCQILTKTI CAPQCNGRCF GPNPNQCCHD ECAGGCSGPQ DTDCFACRHF NDSGACVPRC PAPLVYNKLT FQLEPNPHIK YQYGGVCVAS CPHNFVVDQT FCVRACPADK MEVDKNGLKM CEPCRGLCPK ACEGTGSGSR YQTVDSSNID GFVNCTKILG NLDFLITGLN GDPWHKIPAL DPEKLNVFRT VREITGYLNI QSWPPHMHNF SVFSNLTTIG GRSLYNRGFS LLIMKNLNVT SLGFRSLKEI SAGRVYISAN QQLCYHHSLN WTRLLRGPAE ERLDIKYNRP LGECVAEGKV CDPLCSSGGC WGPGPGQCLS CRNYSREGVC VTHCNVLQGE PREFVHEAHC FSCHPECQPM EGTSTCNGSG SDACARCAHF RDGPHCVNSC PHGILGAKGP IYKYPDAQNE CRPCHENCTQ GCKGPELQDC LGQAEVLMSK PHLEHHHHHH

General References

Hao J., et al. (2014) Biochem. J. 458:335-341.
Kwon HS., et al. (2013) J. Biol. Chem. 288:26357-26371.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.