

Product datasheet for TP527586

Bmpr1a (NM_009758) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse bone morphogenetic protein receptor, type 1A (Bmpr1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227586 representing NM_009758 Red =Cloning site Green =Tags(s)

MTQLYTYIRLLGACLFIIISHVQGNLDSMLHGTGMKSDLQKKPENGVTLPEDTLPFLKCYCSGHCPDD
AINNTCITNGHCFIIEEDDQGETTLTSGCMKYEGSDFQCKDSPKAQLRRTIECCRTNLCNQYLQPTLPP
VWIGPFFDGSIRWLVLISMAVCIVAMIIIFSSCFYKHYCKSISSRGRYNRDLEQDEAFIVGESLKDLI
DQSQSSGSGSGLPLLQRTIAKQIQMVRQVVGKGRYGEVWMGKWRGEKVAVKVFFTTTEASWFRTEIYQT
VLMRHENILGFIAADIKGTGSWTQLYLITDYHENGSLYDFLKCATLDTRALLKLAYSAAACGLCHLHTEIY
GTQGKPAIAHRDLKSKNILIKKNGSCCIADLGLAVKFNSDTNEVDIPLNTRVGTKRYMAPEVLDES LNKN
HFQPYIMADIYSFGLIIEWEMARRCITGGIVEEYQLPYNNMVPSPSYEDMREVVVCVKRLRPIVSNRWNSD
ECLRAVLKLMSECWAHNPASRLTALRIKKTAKMVESQDVKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	60.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_033888</u>



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Locus ID:	12166
UniProt ID:	P36895 , Q53Z43
RefSeq Size:	5481
Cytogenetics:	14 20.81 cM
RefSeq ORF:	1596
Synonyms:	1110037I22Rik; ALK3; AU045487; Bmpr; BMPR-IA
Summary:	<p>On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for BMP2, BMP4, GDF5 and GDF6. Positively regulates chondrocyte differentiation through GDF5 interaction (PubMed:24098149). Mediates induction of adipogenesis by GDF6 (PubMed:23527555).[UniProtKB/Swiss-Prot Function]</p>